

MONTHLY RETURN  
OF THE  
BIRTHS, DEATHS, AND MARRIAGES  
IN SIXTEEN OF THE PRINCIPAL TOWNS OF  
SCOTLAND.

---

JANUARY 1920.

---

Published by Authority of the Registrar-General.

---

REPORT.

Notable features of this return are a very high birth-rate, a very high marriage-rate, and a low death-rate. The sixteen towns herein dealt with were first included in these returns in January 1912, and comparisons are limited to the period since that date. The birth-rate here recorded is the highest for any month, the marriage-rate is the highest recorded for any January, and the death-rate is, with one exception, the lowest recorded for any January.

During the month of January 1920 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 6560 living children, of whom 3399 were males and 3161 were females. The number of male children registered is 93 more than in the previous month, 394 more than the mean of the numbers for the three preceding months, and 1387 more than in January 1919. The female children registered number 25 fewer than in the previous month, but are 226 more than the mean of the numbers for the three preceding months, and 1171 more than in January 1919. The total number of children registered is 68 more than in the previous month, 620 more than the mean of the numbers for the three preceding months, and 2558 more than in January 1919. It is thus even larger than the number in December, which was the largest which had been recorded up to that time for these sixteen towns in any month since January 1912.

The equivalent annual birth-rate is 31·9 per thousand of the estimated aggregate population of these towns. It is 0·3 above that for the previous month, 2·7 above the mean of the rates for the three preceding months, and 12·4 above that for January 1919. It is the highest birth-rate recorded for these towns since January 1912. In the towns taken individually this rate ranged from 37·4 in Greenock, 34·7 in Aberdeen, and 33·8 in Hamilton, to 26·8 in Perth, 27·1 in Edinburgh, and 27·9 in Clydebank. In Dundee it was 33·4; in Glasgow, 33·1; in Leith, 31·8; in Paisley, 31·4; in Coatbridge, in Motherwell, in Kirkcaldy and in Falkirk, 30·8; in Kilmarnock, 28·7; and in Ayr, 28·1.

Of the 6560 children whose births were registered, 6107, or 93·1 per cent., were legitimate, and 453, or 6·9 per cent., were illegitimate. The illegitimate children number 23 fewer than in the previous month, but are 13 more than the mean of the numbers for the three preceding months, and 23 more than in January



1919. The illegitimate rate is 0·4 below that for the previous month, 0·5 below the mean of the rates for the three preceding months, and 3·8 below that for January 1919. In the individual towns it ranged from 10·0 in Falkirk, 9·9 in Aberdeen, and 9·5 in Edinburgh, to 2·1 in Paisley, 2·6 in Coatbridge, and 3·5 in Leith. In Dundee it was 8·8; in Perth, 8·4; in Kilmarnock, 7·6; in Glasgow and in Kirkcaldy, 6·6; in Ayr, 5·0; in Greenock, 4·8; in Motherwell, 4·5; in Hamilton, 4·4; and in Clydebank, 4·3.

Marriages registered during the month numbered 3188. They are 360 more than in the previous month, 918 more than the mean of the numbers for the three preceding months, and 941 more than in January 1919. The equivalent annual marriage-rate is 15·5 per thousand. It is 1·7 above that for the previous month, 4·3 above the mean of the rates for the three preceding months, and 4·6 above that for January 1919. In the individual towns this rate ranged from 23·6 in Falkirk, 17·6 in Hamilton, and 16·9 in Glasgow and in Dundee, to 6·5 in Clydebank, 9·7 in Perth, and 10·0 in Leith. In Kirkcaldy it was 16·6; in Greenock, 16·3; in Paisley, 15·8; in Aberdeen, 14·4; in Edinburgh 14·0; in Kilmarnock, 13·1; in Motherwell, 12·9; in Coatbridge, 12·7; and in Ayr, 10·2.

Deaths registered in those towns numbered 3327, 1673 being of males and 1654 of females. These deaths include those of 273 persons with usual residence outwith the town of registration, but they do not include those of 194 persons, who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 79, falls to be deducted to get the corrected number, which is thus found to be 3248. This corrected number is 197 more than in the previous month, and 518 more than the mean of the numbers for the three preceding months, but is 376 less than that for January 1919.

The equivalent annual death-rate, corrected, is 15·8 per thousand. It is 0·9 above that for the previous month, and 2·3 above the mean of the rates for the three preceding months, but is 1·9 below that for January 1919. In the individual towns the death-rate, corrected, ranged from 20·5 in Greenock, 16·9 in Glasgow, and 16·5 in Aberdeen, to 8·4 in Kilmarnock, 9·9 in Clydebank and 11·3 in Perth. In Leith it was 16·4; in Dundee 16·0; in Ayr, 15·8; in Motherwell, 15·1; in Edinburgh and in Kirkcaldy, 14·5; in Hamilton and in Falkirk, 14·0; in Coatbridge, 13·8; and in Paisley 11·9.

Deaths of children of less than one year old numbered 609. This number is 54 more than in the previous month, and 136 more than the mean of the numbers for the three preceding months, but is 10 less than in January 1919. These deaths equal an infantile mortality rate of 128 per thousand of the average number of births registered monthly during the preceding twelve months, which rate is 6 more than in the previous month, and 19 more than the mean of the rates for the three preceding months, but is 24 less than in January 1919. In the individual towns this rate ranged from 190 in Aberdeen, 176 in Motherwell, and 166 in Dundee, to 52 in Paisley, 63 in Ayr, and 67 in Clydebank. In Greenock it was 155; in Glasgow, 135; in Hamilton, 129; in Kirkcaldy, 108; in Leith, 107; in Edinburgh and in Perth, 94; in Coatbridge and in Falkirk, 92; and in Kilmarnock, 82.

Deaths due to the principal epidemic diseases numbered 173, and included 4 from enteric fever, 65 from measles, 8 from scarlet fever, 20 from whooping-cough, 39 from diphtheria, and 37 from the diarrhoeas of childhood. These deaths collectively are 25 fewer than in the previous month, 9 fewer than the mean of the numbers for the three preceding months, and 30 fewer than in January 1919.

Deaths from pneumonia numbered 366, and those from bronchitis 338. The former are 34 more than in the previous month, but 327 fewer than in January 1919. The latter are 81 more than in the previous month, but 100 fewer than in January 1919.

Deaths of which influenza was the sole named cause numbered 8, and those of which it was one of two or more named causes numbered 23, the monthly total being 31. In the previous month this total was 25, and in January 1919 it was 331.

Deaths from all forms of tuberculous disease numbered 267, of which 189 were attributed to phthisis. The former number is 25 more than in the previous month, but 59 fewer than in January 1919. The latter is 32 more than in the previous month, but 35 fewer than in January 1919.



# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

JANUARY 1920.

Mean barometric pressure, 29·620 in.; less than the average of 1881–1915 by 0·248 in.

Mean temperature, 38°·7; greater by 0°·6.

Mean daily range of temperature, 9°·0; greater by 0°·1.

Rain, number of days, 21; greater by 3 days.

Rain, depth in inches, 4·12; greater by 1·08 in.

Wind, direction of: a 5 days' excess of winds from S.W.

Hence the month was characterised by an abnormally low mean pressure; a slightly high mean temperature, with a mean daily range practically equal to the normal; a high mean rainfall; and a large excess of south-westerly winds.

As in the preceding month conditions were again of a very disturbed type, with an Icelandic "low" in control and various disturbances crossing our Islands, and between 5th and 14th there were unusually large and rapid fluctuations of pressure. The mean of the month was abnormally low. At Leith, at sea-level, pressure was above 30 in. only from 4th to 6th, on 14th and on 16th the extremes at that place being 30·68 in. on morning of 5th and 28·40 in. on evening of 11th. The large range of pressure for the month has rarely been equalled.

Comparatively cold weather during the first ten days or so (14° at Braemar on 3rd) was followed by decidedly mild conditions around the middle of the month, with highest readings on 16th or 17th. Thereafter temperature was on most days fully equal to the normal, though now and then below it. For the chief towns the mean was 38°·7, or 0°·6 above the normal; the days were 0°·6 and the nights 0°·5 above their respective averages; and the extremes were 58° at Leith on 17th, and 22° at Perth on 5th and 6th. It is noteworthy that the mean for the month was practically the same as that for December 1919 (38°·9); that both were much above that for November 1919 (36°·2); and that, as on previous occasions during the last sixty years at any rate, great cold in November has been followed by a prolonged spell of weather for the most part mild.

Many districts had little or no rain until 7th, when some heavy falls occurred (3·05 in. at Killin), and from 7th to the end of the month rain fell on every day at many places in west and north-west, often very heavily. In east and north-east on the other hand there were many fine days, and at Edinburgh the aggregate was largely accounted for on 7th, between 10th and 13th, on 23rd, 24th and 31st. Towards north-east the month's rainfall was deficient, but in general there was a well-marked excess, amounting to at least 60 per cent. at *e.g.* Stornoway, Fort William, Poltalloch, and Dumfries. At Fort William (15·86 in.) there was a fall of 3·71 in. on 16th, or considerably more than twice the rainfall at Gordon Castle for the entire month; and at Ardtornish and Killin more than 2 in. on 25th. The mean for the chief towns was 4·12 in., or 136 per cent. of the normal.

There was much stormy weather, especially on 1st, 7th and 8th, from 15th to 17th, and during the last week, the wind in squalls often reaching a high velocity. About 7th exceptionally high tides occurred. The heavy rains caused flooding in places, and on 17th landslides blocked the railway and roads in Glen More. For mid-winter snow was unimportant.

Hail was frequent and thunderstorms occurred in north-west on 11th, in various districts on 21st and 27th, and rather widely on afternoon of 31st with heavy hail.

Very cloudy periods alternated with short sunny ones, and in general sunshine aggregates were above the normal.

Aurora was observed at Aberdeen on 9th, 11th and 17th; in Shetland on 17th, 19th and 20th.

NOTE.—For meteorological table see p. 8.



TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, JANUARY 1920.

TOWNS.	POPULATION.		BIRTHS.						MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1920.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	Males.		Females.	Total.	Out.	In.	Total Corrected.	
GLASGOW, . . .	1,003,487	1,115,500	1606	1517	3123	2918	205	1597	861	782	1643	103	60	1600	
EDINBURGH, . . .	320,769	342,300	399	387	786	711	75	408	224	233	457	84	46	419	
DUNDEE, . . .	176,085	189,000	277	258	535	488	47	270	112	146	258	9	7	256	
ABERDEEN, . . .	163,891	167,700	242	251	493	444	49	204	109	136	245	19	9	235	
PAISLEY, . . .	84,455	89,400	141	97	238	233	5	120	45	47	92	5	3	90	
LEITH, . . .	80,601	84,700	117	111	228	220	8	72	52	51	103	5	20	118	
GREENOCK, . . .	75,140	79,700	143	109	252	240	12	110	72	70	142	8	4	138	
PERTH, . . .	35,854	36,600	40	43	83	76	7	30	25	20	45	10	..	35	
TOTAL . . . (EIGHT TOWNS)	1,945,282	2,104,900	2965	2773	5738	5330	408	2811	1500	1485	2985	243	149	2891	
COATBRIDGE, . . .	43,290	44,500	63	53	116	113	3	48	26	26	52	3	3	52	
MOTHERWELL . . .	40,380	42,200	63	47	110	105	5	46	23	23	46	1	9	54	
KIRKCALDY . . .	39,601	40,700	56	50	106	99	7	57	20	29	49	3	4	50	
HAMILTON, . . .	38,644	39,500	61	52	113	108	5	59	21	17	38	..	9	47	
CLYDEBANK, . . .	37,548	48,800	56	59	115	110	5	27	16	10	26	..	15	41	
KILMARNOCK, . . .	34,728	37,800	42	50	92	85	7	42	21	17	38	12	1	27	
FALKIRK, . . .	33,574	34,500	50	40	90	81	9	69	23	21	44	4	1	41	
AYR, . . .	32,986	33,600	43	37	80	76	4	29	23	26	49	7	3	45	
TOTAL . . . (SIXTEEN TOWNS)	2,246,033	2,426,500	3399	3161	6560	6107	453	3188	1673	1654	3327	273	194	3248	

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, JANUARY 1920.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	33·1	6·6	16·9	17·4	16·9	0·7	1·4	1·0	4·4	310	135
EDINBURGH, . . .	27·1	9·5	14·0	15·8	14·5	0·5	1·2	0·9	3·0	51	94
DUNDEE, . . .	33·4	8·8	16·9	16·1	16·0	1·1	1·2	0·9	3·5	54	166
ABERDEEN, . . .	34·7	9·9	14·4	17·2	16·5	1·5	1·1	0·7	3·5	60	190
PAISLEY, . . .	31·4	2·1	15·8	12·1	11·9	0·5	1·3	0·9	1·6	9	52
LEITH, . . .	31·8	3·5	10·0	14·4	16·4	0·1	1·4	1·3	4·0	17	107
GREENOCK, . . .	37·4	4·8	16·3	21·1	20·5	2·1	1·8	1·3	4·7	31	155
PERTH, . . .	26·8	8·4	9·7	14·5	11·3	0·0	1·0	1·0	1·6	5	94
TOTAL . . . (EIGHT TOWNS)	32·2	7·1	15·8	16·7	16·2	0·8	1·3	0·9	3·8	537	132
COATBRIDGE, . . .	30·8	2·6	12·7	13·8	13·8	3·7	1·1	0·5	3·4	10	92
MOTHERWELL, . . .	30·8	4·5	12·9	12·9	15·1	0·8	0·6	0·3	4·2	18	176
KIRKCALDY, . . .	30·8	6·6	16·6	14·2	14·5	1·2	0·9	0·6	2·9	8	108
HAMILTON, . . .	33·8	4·4	17·6	11·4	14·0	1·8	0·9	0·6	2·7	13	129
CLYDEBANK, . . .	27·9	4·3	6·5	6·3	9·9	0·5	1·5	1·5	1·2	7	67
KILMARNOCK, . . .	28·7	7·6	13·1	11·9	8·4	0·3	0·6	0·0	2·2	6	82
FALKIRK, . . .	30·8	10·0	23·6	15·1	14·0	1·4	1·4	1·0	1·4	6	92
AYR, . . .	28·1	5·0	10·2	17·2	15·8	0·4	2·1	1·4	2·8	4	63
TOTAL . . . (SIXTEEN TOWNS)	31·9	6·9	15·5	16·2	15·8	0·8	1·3	0·9	3·7	609	128

\* Based on the average number of births registered monthly during the past 12 months.



TABLE III.—BIRTH-RATE DEATH-RATE, ETC., FOR JANUARY 1920, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							*Infantile Mortality Rate.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
JAN. 1920, .	31·9	6·9	15·5	15·8	4	0	65	8	20	39	37	128	38°·7
JAN. 1919, .	19·5	10·7	10·9	17·7	1	0	10	9	110	44	29	152	37°·2
JAN. 1918, .	19·3	8·2	10·5	16·2	2	0	105	6	79	32	44	124	36°·3
JAN. 1917, .	22·2	7·1	10·5	18·3	2	0	79	6	51	41	58	129	36°·1
JAN. 1916, .	23·5	6·7	12·4	14·5	6	0	93	51	17	58	41	98	43°·8
JAN. 1915, .	25·6	6·8	11·4	21·4	12	0	32	53	261	53	49	151	37°·6
JAN. 1914, .	26·7	7·5	12·2	20·4	4	0	183	45	29	65	47	151	38°·7
JAN. 1913, .	28·1	7·2	10·8	18·9	8	0	13	22	174	46	49	133	37°·6
JAN. 1912, .	26·7	6·3	11·6	18·5	14	0	205	33	72	53	38	132	37°·5
JAN. 1911, .	25·9	8·1	11·0	17·4	12	0	7	21	78	42	47	119	39°·9
JAN. 1910, .	25·8	7·3	10·4	19·6	15	0	208	26	26	38	55	140	36°·4

For all years up to and including 1911, figures are for Eight only of the Principal Towns.

Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths.

\* Per 1000 of the average number of births registered monthly during the past 12 months.

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—January 1920.

CAUSES OF DEATH.	All Ages.	Age.											Age not stated.
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	
Enteric Fever - - - - -	4	-	-	1	1	1	-	1	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	65	16	44	5	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	8	1	6	1	-	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	20	12	6	2	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	39	1	22	13	3	-	-	-	-	-	-	-	-
*Influenza - - - - -	8	-	1	-	-	-	-	1	1	1	-	4	-
Erysipelas - - - - -	15	2	-	-	-	1	-	3	4	1	2	2	-
Phthisis, Pulmonary Tuberculosis - - - - -	189	1	5	2	5	33	41	43	33	21	5	-	-
Tuberculous Meningitis - - - - -	29	5	14	6	1	2	1	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	13	-	5	3	2	3	-	-	-	-	-	-	-
Other Tuberculous Diseases - - - - -	36	1	3	6	3	11	1	4	4	1	2	-	-
Cancer, Malignant Disease - - - - -	232	-	-	-	1	2	7	24	55	73	57	13	-
Rheumatic Fever - - - - -	6	-	-	-	-	-	3	2	1	-	-	-	-
Meningitis - - - - -	31	11	6	4	3	3	1	2	-	-	1	-	-
Organic Heart Disease - - - - -	295	-	-	-	-	4	20	20	35	70	90	56	-
Bronchitis - - - - -	338	60	15	3	-	-	5	13	25	51	79	87	-
Pneumonia (all forms) - - - - -	366	90	68	7	2	18	21	30	41	34	35	20	-
Other Diseases of Respiratory Organs - - - - -	52	6	5	1	1	1	-	4	5	6	10	13	-
Diarrhoea and Enteritis (under 2 years) - - - - -	37	35	2	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	18	1	-	3	2	4	-	2	2	-	3	1	-
All Liver Diseases (not Malignant) - - - - -	15	-	-	-	1	-	-	2	2	4	5	1	-
Other Diseases of Digestive System - - - - -	89	11	5	3	2	2	4	9	13	17	17	6	-
Nephritis and Bright's Disease - - - - -	94	-	1	2	-	4	5	14	17	24	15	12	-
Puerperal Sepsis - - - - -	21	-	-	-	-	2	11	8	-	-	-	-	-
Other Diseases & Accidents of Preg. & Parturition - - - - -	31	-	-	-	-	6	13	11	1	-	-	-	-
Congenital Debility and Malformation, including Premature Birth - - - - -	275	274	1	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	121	7	7	3	4	10	20	18	14	18	12	8	-
Suicide - - - - -	8	-	-	-	-	1	2	1	2	2	-	-	-
Other Defined Diseases - - - - -	717	70	10	5	6	12	22	43	67	109	168	205	-
Diseases Ill-defined or Unknown - - - - -	76	5	3	-	-	2	2	6	7	22	16	13	-
All Causes - - - - -	3248	609	229	70	37	122	179	261	329	454	517	441	-

\* Sole Cause specified, vide pp. 6 7.



## DEATHS IN EACH TOWN (corrected for Transfers)—January 1920.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	2	...	2	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	18	6	5	7	1	1	12	...
Scarlet Fever ... ..	3	...	2	...	...	...	1	...
Whooping-cough ... ..	6	...	1	8	2	...	1	...
Diphtheria and Croup ... ..	16	6	5	4	...	...	...	...
Influenza ( <i>Sole Cause specified</i> ) ... ..	4	2	1	...	...	...	...	...
Erysipelas ... ..	9	3	1	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	91	25	15	10	7	9	9	3
Tuberculous Meningitis ... ..	17	2	1	1	2	...	1	...
Abdominal Tuberculosis ... ..	5	2	1	3	...	...	1	...
Other Tuberculous Diseases ... ..	21	5	2	1	1	1	1	...
Cancer, Malignant Disease ... ..	121	43	12	16	8	2	8	4
Rheumatic Fever ... ..	4	1	...	1	...	...	...	...
Meningitis ... ..	9	6	...	2	3	1	4	2
Organic Heart Disease ... ..	126	49	26	21	12	14	14	5
Bronchitis ... ..	184	39	26	26	5	11	10	3
Pneumonia (all forms) ... ..	209	36	26	21	7	14	19	1
Other Diseases of Respiratory Organs ... ..	20	13	4	3	...	4	3	1
Diarrhoea and Enteritis (under 2 years) ... ..	22	2	2	2	1	...	...	...
Appendicitis and Typhlitis ... ..	12	1	2	1	1	...	...	...
All Liver Diseases (not Malignant) ... ..	7	1	...	2	...	1	1	...
Other Diseases of Digestive System ... ..	48	8	3	...	7	4	3	3
Nephritis and Bright's Disease ... ..	51	6	6	14	1	5	2	1
Puerperal Sepsis ... ..	13	5	2	1	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	20	1	3	2	2	...	1	...
Congenital Debility and Malformation, including Premature Birth ... ..	138	24	24	33	1	10	14	2
Violent Deaths, excluding Suicide ... ..	52	10	11	6	4	4	8	1
Suicide ... ..	2	3	1	...	...	...	2	...
Other Defined Diseases ... ..	323	118	66	48	22	35	22	9
Diseases Ill-defined or Unknown ... ..	47	2	6	2	3	2	1	...
All Causes ... ..	1600	419	256	235	90	118	138	35
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	10	4	4	3	...	...	...	...
AGE AT DEATH.								
Under 1 ... ..	310	51	54	60	9	17	31	5
1- 4 ... ..	105	18	17	20	8	4	22	1
5- 9 ... ..	37	3	3	5	2	1	3	...
10-14 ... ..	14	10	3	1	1	...	1	1
15-24 ... ..	65	11	8	10	5	3	4	1
25-34 ... ..	82	26	12	8	8	6	11	...
35-44 ... ..	138	28	15	15	8	19	14	3
45-54 ... ..	176	42	22	14	7	15	14	5
55-64 ... ..	244	60	31	28	14	16	14	3
65-74 ... ..	237	82	48	36	16	20	18	10
75 and over ... ..	192	88	43	38	12	17	6	6
Not stated ... ..	...	...	...	...	...	...	...	...
All Ages ... ..	1600	419	256	235	90	118	138	35



## DEATHS IN EACH TOWN (corrected for Transfers)—January 1920—continued.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	8	...	3	1	2	...	1	...
Scarlet Fever ... ..	1	...	...	...	...	...	1	...
Whooping-cough ... ..	...	2	...	...	...	...	...	...
Diphtheria and Croup ... ..	2	...	1	2	...	...	2	1
Influenza ( <i>Sole Cause specified</i> ) ... ..	...	...	...	...	1	...	...	...
Erysipelas ... ..	...	...	1	1	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	2	1	2	2	6	...	3	4
Tuberculous Meningitis ... ..	1	...	...	1	...	2	...	1
Abdominal Tuberculosis ... ..	1	...	...	...	...	...	...	...
Other Tuberculous Diseases ... ..	...	1	1	...	...	...	1	1
Cancer, Malignant Disease ... ..	2	5	3	2	...	1	3	2
Rheumatic Fever ... ..	...	...	...	...	...	...	...	...
Meningitis ... ..	1	...	...	2	1	...	...	...
Organic Heart Disease ... ..	5	4	5	2	2	1	5	4
Bronchitis ... ..	4	6	6	7	3	3	2	3
Pneumonia (all forms) ... ..	7	9	4	2	2	3	2	4
Other Diseases of Respiratory Organs ... ..	2	...	...	...	...	1	...	1
Diarrhoea and Enteritis (under 2 years) ... ..	3	1	...	3	...	1	...	...
Appendicitis and Typhlitis ... ..	...	...	...	...	1	...	...	...
All Liver Diseases (not Malignant) ... ..	...	2	...	...	...	...	...	1
Other Diseases of Digestive System ... ..	2	3	2	1	3	1	...	1
Nephritis and Bright's Disease ... ..	1	1	2	...	2	1	...	1
Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	...	...	...	1	...	...	...	1
Congenital Debility and Malformation, including Premature Birth ... ..	2	6	3	5	3	2	5	3
Violent Deaths, excluding Suicide ... ..	3	1	3	5	5	4	2	2
Suicide ... ..	...	...	...	...	...	...	...	...
Other Defined Diseases ... ..	5	8	14	8	10	5	13	11
Diseases Ill-defined or Unknown ... ..	...	4	...	2	...	2	1	4
All Causes ... ..	52	54	50	47	41	27	41	45
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	...	1	...	...	...	...	...	1
AGE AT DEATH.								
Under 1 ... ..	10	18	8	13	7	6	6	4
1-4 ... ..	12	3	6	6	3	2	1	1
5-9 ... ..	3	1	1	2	1	1	5	2
10-14 ... ..	1	...	...	1	2	1	...	1
15-24 ... ..	6	...	1	...	2	1	2	3
25-34 ... ..	4	3	4	2	4	2	4	3
35-44 ... ..	...	6	...	3	5	4	...	3
45-54 ... ..	3	6	3	4	5	1	5	7
55-64 ... ..	7	7	7	7	3	3	3	7
65-74 ... ..	5	6	8	4	6	4	9	8
75 and over ... ..	1	4	12	5	3	2	6	6
Not stated ... ..	...	...	...	...	...	...	...	...
All Ages ... ..	52	54	50	47	41	27	41	45



## ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of JANUARY 1920.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.							HYGROMETER.		RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	Height of Station above Sea-level.		Mean of		Mean of A and B (Mean Temperature).			Absolute Maximum and Minimum.				Mean at 9 A.M. and 9 P.M.		Depression of Wet Bulb.	Vapour Pressure.	Humidity.	Number of Days.	Total Fall.		Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
								Maximum	Day of Month.	Minimum.	Day of Month.										N	NE	E	SE	S	SW	W	NW	Calm or Variable.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	inch.	feet.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	inch.	inch.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

North Latitude.—Glasgow, 56° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.  
 West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

EDINBURGH: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

To be purchased from H.M. STATIONERY OFFICE (Scottish Branch), 23 Forth Street, Edinburgh.

Printed under the authority of HIS MAJESTY'S STATIONERY OFFICE  
By J. Skinner & Co., Ltd., 27 Thistle Street, Edinburgh.

Price 6d. net.



MONTHLY RETURN  
OF THE  
BIRTHS, DEATHS, AND MARRIAGES  
IN SIXTEEN OF THE PRINCIPAL TOWNS OF  
SCOTLAND.

---

FEBRUARY 1920.

---

Published by Authority of the Registrar-General.

---

REPORT.

The more notable features of this return are a continuance of the high birth-rate, which has been referred to in the reports of recent months, and a low death-rate. The monthly birth-rate is 31·6 per 1000, and the death-rate is 14·3. This is the third consecutive month in which the collective birth-rate of these towns has exceeded 31 per 1000. The deaths of the month are less than half of those of February of last year, a month when influenza was epidemic.

During the month of February 1920 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 6075 living children, of whom 3065 were male and 3010 were female. The number of male children registered is 334 less than in the previous month, 93 less than the mean of the numbers for the three preceding months, but is 1415 more than that of February of last year. The number of female children registered is 151 less than that of the previous month, and 9 less than the mean of those of the three preceding months, but is 1446 more than in February of last year. The total number of births registered is 485 less than in the previous month, and 101 less than the mean of the numbers of the preceding three months, but is 2861 more than in February of last year. The monthly number of births registered in these towns, though less than in January of this year and in December of last year, is greater than in any month since these sixteen towns have been collectively dealt with in these reports, and that is since January 1912.

The equivalent annual birth-rate is 31·6 per thousand. It is 0·3 less than that of January, but is 1·2 more than the mean of those of the three preceding months, and 14·3 more than that of February of last year. This is the third consecutive month in which the birth-rate of these towns has exceeded 31 per thousand; in the three months December 1918 to February 1919, the corresponding rates were 18·7, 19·5 and 17·3 respectively. In the towns taken individually the monthly birth-rate varied from 38·3 in Motherwell, 36·9 in Coatbridge, 36·4 in Greenock, and 35·1 in Aberdeen, to 26·3 in Ayr, 26·6 in Perth, and 27·3 in Edinburgh. In Hamilton this rate was 33·8; in Kirkealdy, 32·6; in Glasgow, 32·3; in Paisley, 32·0; in Leith, 31·0; in Dundee, 30·5; in Falkirk, 30·4; in Clydebank, 28·2; and in Kilmarnock, 28·0.

Of the 6075 children whose births were registered during the month, 5594, or 92·1 per cent., were legitimate, while 481, or 7·9 per cent., were illegitimate. The illegitimate children of the month are 28 more than those of the previous month, 35 more than the mean of the numbers of the three preceding months, and 166



more than those of February of last year. The illegitimate rate is 1·0 more than that of the previous month, and 0·7 more than the mean of those of the three preceding months, but is 1·9 less than that of February of last year. In the individual towns this rate varied from 11·4 per cent. in Ayr, 9·6 in Dundee, 9·3 in Edinburgh, and 9·0 in Aberdeen, to 0·9 in Clydebank, 1·9 in Hamilton, 4·3 in Leith, and 4·7 in Motherwell. In Coatbridge it was 8·5; in Glasgow, 8·3; in Falkirk, 7·2; in Greenock, 7·0; in Paisley, 6·6; in Perth, 6·5; in Kilmarnock, 6·0; and in Kirkcaldy, 5·7.

Marriages registered in these towns numbered 1685. They are 1503 fewer than in January, and 942 less than the mean of the numbers for the three preceding months, but are 303 more than in February of last year. The monthly marriage-rate was 8·8 per thousand. It is 6·7 less than that of January, and 4·1 less than the mean of those of the three preceding months, but is 1·3 more than that of February of last year. In the individual towns this rate varied from 10·6 in Falkirk, 9·9 in Aberdeen, 9·7 in Perth, and 9·6 in Edinburgh, to 4·2 in Motherwell, 4·7 in Clydebank, 5·4 in Greenock, 5·7 in Leith, and 5·7 in Hamilton. In Glasgow it was 9·5; in Dundee, 8·9; in Ayr, 8·3; in Kilmarnock, 7·3; in Kirkcaldy 7·1; in Paisley, 6·8; and in Coatbridge, 6·8.

Deaths registered during the month numbered 2820, 1447 being of male persons, and 1373 of female. These deaths include 216 of persons with usual residence outwith the town of registration, but exclude those of 141 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 75, falls to be deducted to get the corrected number of the month, which is thus found to be 2745. This number is 503 less than that of the previous month, 289 less than the mean of those of the three preceding months, and 3369 less than that of February of last year, a month when influenza was epidemic.

The monthly death-rate, corrected, was 14·3 per thousand. It is 1·5 less than that of the previous month, 0·6 less than the mean of those of the three preceding months, and 18·7 less than that of February of last year. In the individual towns the monthly death-rate varied from 22·5 in Greenock, 17·3 in Aberdeen, and 17·0 in Coatbridge, to 9·8 in Clydebank, 10·1 in Ayr, and 10·7 in Kilmarnock. In Motherwell this rate was 14·6; in Hamilton, 14·4; in Glasgow, 14·3; in Falkirk, 14·3; in Dundee, 14·2; in Leith, 14·0; in Paisley, 13·5; in Edinburgh, 12·6; in Perth, 12·4; and in Kirkcaldy, 11·8.

Deaths of children of less than one year old numbered 605. This number is 4 less than in the previous month, and 127 less than in February of last year, but it is 57 more than the mean of those of the three preceding months. These deaths equal an infantile mortality rate of 129 per thousand of the average number of births registered monthly during the preceding twelve months, which rate is 1 more than that of the previous month, and 8 more than the mean of those of the three preceding months, but is 71 less than that of February of last year. In the individual towns this rate varied from 197 in Greenock, 194 in Motherwell, 164 in Aberdeen, and 148 in Dundee and in Leith, to 48 in Ayr, 54 in Kirkcaldy, 62 in Hamilton, and 75 in Perth. In Coatbridge this rate was 132; in Glasgow, 126; in Falkirk, 125; in Paisley, 124; in Edinburgh, 121; in Clydebank, 99; and in Kilmarnock, 83.

Deaths due to the principal epidemic diseases numbered 147, and included 46 from measles, 10 from scarlet fever, 21 from whooping-cough, 38 from diphtheria, and 32 from the diarrhœas of childhood. They included none from enteric fever. Collectively these deaths are 26 fewer than in the previous month, and 171 fewer than in February of last year.

Deaths from pneumonia numbered 310, and those from bronchitis 229. The former are 56 fewer than in the previous month, and 1888 fewer than in February of last year, when influenza was epidemic. The latter are 109 fewer than in the previous month, and 570 fewer than in February of last year.

Deaths of which influenza was the sole named cause numbered 8, and those of which influenza was one of two or more named causes, 22. In January these two figures were 8 and 23; in February of last year they were 238 and 1567.

Deaths from all forms of tuberculous disease numbered 262, of which 177 were ascribed to phthisis. The former number is 5 less than in January, and 108 less than in February of last year. The latter number is 12 less than in January, and 83 less than in February of last year.



# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

FEBRUARY 1920.

Mean barometric pressure, 29·957 in. ; greater than the average of 1881–1915 by 0·114 in.

Mean temperature, 42°·1 ; greater by 3°·5.

Mean daily range of temperature, 10°·3 ; greater by 0°·2.

Rain, number of days, 17 ; greater by 1 day.

Rain, depth in inches, 4·20 ; greater by 1·52 in.

Wind, direction of : a 6 days' excess of winds from S.W.

Hence the month was characterised by a somewhat high mean pressure ; an abnormally high mean temperature, with a mean daily range practically equal to the normal ; a high mean rainfall ; and a large excess of south-westerly winds.

Until 18th a stormy south-westerly type of pressure distribution prevailed, such as had been in evidence more or less continuously for several weeks ; but on 18th–19th a small and ill-defined disturbance passed eastwards over our Islands, with north-easterly winds in its rear. Later conditions were somewhat quieter. The mean of the month was somewhat above the normal. At Leith, at sea-level, pressure was above 30 in. from 4th to 8th, on 12th, from 19th to 24th, and on 28th, the extremes at that place being 30·60 in. on morning of 5th and 29·25 in. on morning of 11th.

The weather was for the most part mild to very mild, and the only touches of real cold occurred around 14th and between 18th and 20th. At some places on 19th the maximum temperature was almost 20° below that for the preceding day. At the end of the month day temperatures were unusually high—61° at Leith (Starbank Park) on 29th, that being the highest reading recorded in Scotland during the month of February since 1897. Lowest readings reported were 21° at West Linton on 21st and at Eskdalemuir on 28th. For the chief towns the mean was 42°·1, or 3°·5 above the normal ; the days were 3°·6 and the nights 3°·4 above their respective averages ; and the extremes were 60° at Edinburgh and Leith (Nautical College) on 29th, and 28° at Aberdeen on 15th and at Perth on 21st, 25th and 28th. It is noteworthy that the mean for the month, as had been the case for the two preceding months, was much above that for November 1919 ; and that, as on previous occasions, during the last sixty years at any rate, great cold in November has been followed by a prolonged spell of weather for the most part mild.

On 1st and 2nd there were heavy rains in north-west and west, with an aggregate of 6·90 in. for the two days at Glen Etive ; and between 7th and 18th conditions were very disturbed, with 2·95 in. at Greenock on 9th, when heavy falls were general, and at Kinlochquoich in the West Highlands 6·28 in. on 9th and 2·48 in. on 12th. On 28th and 29th there were some moderate to fairly heavy falls. Aggregates for the month showed a very wide range, both as regards absolute amounts and their relation to the normal. Thus Aberdeen had only 1·04 in. for the entire month, but Kinlochquoich 27·44 in. Again, much of the north-eastern area had a rainfall below the normal, whilst very generally towards the north-west the month was the wettest February on record, with as much as 258 per cent. of the normal at Fort William. Western districts had as a rule a large excess, whilst elsewhere variations from the normal were not specially noteworthy. The mean for the chief towns was 4·20 in., or 157 per cent. of the normal.

Much stormy weather was experienced during the first half of the month, especially from 1st to 3rd, from 9th to 13th, and in Orkney on 15th. The heavy rains caused flooding in many districts. There was some snow around 11th, 14th and 19th, and at one or two places towards the north on 26th and 27th.

Thunderstorms occurred in Orkney on 3rd, 4th, 10th, 11th and 12th, and at Glasgow early on 1st.

Sunshine aggregates were above the normal, especially towards the north-east, but in the west slightly below. There were some very sunny days—as much as 9 hours at Eskdalemuir on both 21st and 27th.

Aurora was observed at Aberdeen on 24th and 26th, and in Orkney on 15th, 23rd, 26th and 27th.

NOTE.—For meteorological table see p. 16.



TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, FEBRUARY 1920.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1920.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,115,500	1444	1413	2857	2621	236	842	676	626	1302	90	52	1264
EDINBURGH, . .	320,769	342,300	351	338	739	670	69	260	194	188	382	60	20	342
DUNDEE, . . .	176,085	189,000	237	219	456	412	44	133	100	115	215	8	6	213
ABERDEEN, . .	163,891	167,700	241	225	466	424	42	132	108	118	226	12	16	230
PAISLEY, . . .	84,455	89,400	117	110	227	212	15	48	51	52	103	8	1	96
LEITH, . . . .	80,601	84,700	111	97	208	199	9	38	44	41	85	0	9	94
GREENOCK, . .	75,140	79,700	109	121	230	214	16	34	78	60	138	3	7	142
PERTH, . . . .	35,854	36,600	34	43	77	72	5	28	23	17	40	5	1	36
TOTAL . . . (EIGHT TOWNS)	1,945,282	2,104,900	2644	2616	5260	4824	436	1515	1274	1217	2491	186	112	2417
COATBRIDGE, . .	43,290	44,500	67	63	130	119	11	24	25	21	56	0	4	60
MOTHERWELL . .	40,380	42,200	65	63	128	122	6	14	19	24	43	0	6	49
KIRKCALDY . . .	39,601	40,700	58	47	105	99	6	23	19	20	39	1	0	38
HAMILTON, . . .	38,644	39,500	55	51	106	104	2	18	23	21	44	2	3	45
CLYDEBANK, . .	37,548	48,800	49	60	109	108	1	18	16	13	29	1	10	38
KILMARNOCK, . .	34,728	37,800	49	35	84	79	5	22	18	19	37	6	1	32
FALKIRK, . . . .	33,574	34,500	43	40	83	77	6	29	25	17	42	5	2	39
AYR, . . . . .	32,986	33,600	35	35	70	62	8	22	18	21	39	15	3	27
TOTAL . . . (SIXTEEN TOWNS)	2,246,033	2,426,500	3065	3010	6075	5594	481	1685	1447	1373	2820	216	141	2745

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, FEBRUARY 1920.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	32·3	8·3	9·5	14·7	14·3	0·7	1·3	0·9	3·2	284	126
EDINBURGH, . .	27·3	9·3	9·6	14·1	12·6	0·7	1·4	0·9	2·1	65	121
DUNDEE, . . .	30·5	9·6	8·9	14·4	14·2	0·6	1·3	1·0	2·9	48	148
ABERDEEN, . .	35·1	9·0	9·9	17·0	17·3	1·1	1·4	1·0	3·5	52	164
PAISLEY, . . .	32·0	6·6	6·8	14·5	13·5	0·8	2·0	1·4	2·4	21	124
LEITH, . . . .	31·0	4·3	5·7	12·7	14·0	0·7	0·9	0·4	3·0	23	148
GREENOCK, . .	36·4	7·0	5·4	21·9	22·5	1·6	2·2	0·6	6·3	38	197
PERTH, . . . .	26·6	6·5	9·7	13·8	12·4	0·0	1·0	1·0	1·7	4	75
TOTAL . . . (EIGHT TOWNS)	31·5	8·3	9·1	14·9	14·5	0·7	1·3	0·9	3·1	535	133
COATBRIDGE, . .	36·9	8·5	6·8	15·9	17·0	1·7	2·8	1·7	3·7	14	132
MOTHERWELL, . .	38·3	4·7	4·2	12·9	14·6	1·5	1·2	1·2	4·5	19	194
KIRKCALDY, . .	32·6	5·7	7·1	12·1	11·8	0·9	0·6	0·6	2·2	4	54
HAMILTON, . . .	33·8	1·9	5·7	14·0	14·4	1·3	2·2	1·3	4·5	6	62
CLYDEBANK, . .	28·2	0·9	4·7	7·5	9·8	0·0	1·0	0·8	1·0	10	99
KILMARNOCK, . .	28·0	6·0	7·3	12·3	10·7	0·3	0·3	0·3	1·3	6	83
FALKIRK, . . . .	30·4	7·2	10·6	15·4	14·3	1·8	1·8	1·5	1·8	8	125
AYR, . . . . .	26·3	11·4	8·3	14·6	10·1	0·4	1·5	0·8	1·5	3	48
TOTAL . . . (SIXTEEN TOWNS)	31·6	7·9	8·8	14·7	14·3	0·8	1·4	0·9	3·0	605	129

\* Based on the average number of births registered monthly during the past 12 months.



TABLE III.—BIRTH-RATE DEATH-RATE, ETC., FOR FEBRUARY 1920, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							* Infantile Mortality Rate.	Mean Temperature (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
FEB. 1920, .	31·6	7·9	8·8	14·3	0	0	46	10	21	33	32	129	42°·1
FEB. 1919, .	17·3	9·8	7·5	33·0	1	0	25	10	201	49	32	200	34°·5
FEB. 1918, .	18·9	8·1	7·6	14·0	3	0	63	4	79	29	32	110	42°·8
FEB. 1917, .	21·0	8·6	6·4	18·8	5	0	71	9	106	31	26	124	36°·5
FEB. 1916, .	22·5	7·4	8·1	15·7	6	0	125	45	14	60	31	100	37°·7
FEB. 1915, .	26·2	6·7	6·6	22·9	7	0	45	47	354	39	52	189	38°·3
FEB. 1914, .	27·4	7·3	6·5	17·3	5	0	169	33	24	52	49	140	42°·8
FEB. 1913, .	26·5	8·1	5·4	20·1	8	0	21	10	196	34	42	140	40°·3
FEB. 1912, .	26·1	6·4	6·4	20·5	10	0	252	12	62	56	51	148	39°·3
FEB. 1911, .	26·1	8·0	5·9	21·2	6	0	18	22	155	36	35	145	39°·7
FEB. 1910, .	27·0	7·5	5·7	19·3	11	0	169	26	27	43	28	122	39°·1

For all years up to and including 1911, figures are for Eight only of the Principal Towns.  
Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths.  
\* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—February 1920.

CAUSES OF DEATH.	All Ages.	Age.											Age not stated.
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	
Enteric Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles - - - - -	46	9	35	2	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	10	-	5	3	-	2	-	-	-	-	-	-	-
Whooping-cough - - - - -	21	10	10	1	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	38	3	20	14	1	-	-	-	-	-	-	-	-
*Influenza - - - - -	8	2	1	-	-	-	1	-	2	1	-	1	-
Erysipelas - - - - -	5	2	-	-	-	-	1	-	-	1	-	1	-
Phthisis, Pulmonary Tuberculosis - - - - -	177	1	1	6	4	32	49	42	22	16	4	-	-
Tuberculous Meningitis - - - - -	25	5	13	5	1	1	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	25	3	8	1	1	5	2	3	1	-	1	-	-
Other Tuberculous Diseases - - - - -	35	4	6	2	2	6	5	5	4	1	-	-	-
Cancer, Malignant Disease - - - - -	209	-	-	-	1	1	6	23	43	55	55	25	-
Rheumatic Fever - - - - -	5	-	-	-	1	2	1	-	-	-	-	1	-
Meningitis - - - - -	27	8	9	4	-	2	-	2	2	-	-	-	-
Organic Heart Disease - - - - -	217	-	2	3	3	2	12	9	33	58	66	29	-
Bronchitis - - - - -	229	61	9	-	1	4	2	9	17	38	38	50	-
Pneumonia (all forms) - - - - -	310	92	60	3	1	5	21	21	30	39	19	19	-
Other Diseases of Respiratory Organs - - - - -	41	7	6	1	1	1	1	1	6	4	8	5	-
Diarrhoea and Enteritis (under 2 years) - - - - -	32	29	3	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	11	-	1	2	1	1	1	-	2	2	1	-	-
All Liver Diseases (not Malignant) - - - - -	11	-	-	-	-	-	-	1	1	2	4	3	-
Other Diseases of Digestive System - - - - -	80	12	3	5	3	3	3	11	7	11	14	8	-
Nephritis and Bright's Disease - - - - -	71	-	2	-	-	3	6	8	15	18	12	7	-
Puerperal Sepsis - - - - -	10	-	-	-	-	2	5	3	-	-	-	-	-
Other Diseases & Accidents of Preg. & Parturition - - - - -	29	-	-	-	-	6	9	14	-	-	-	-	-
Congenital Debility and Malformation, including Premature Birth - - - - -	268	267	1	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	111	2	21	5	2	4	15	9	14	15	14	10	-
Suicide - - - - -	6	-	-	-	-	1	-	2	2	-	1	-	-
Other Defined Diseases - - - - -	634	77	13	3	1	12	16	40	59	89	153	171	-
Diseases Ill-defined or Unknown - - - - -	54	11	1	1	-	2	-	4	7	8	10	10	-
All Causes - - - - -	2745	605	230	61	24	97	156	207	267	358	400	340	-

\* Sole Cause specified, vide pp. 14-15.



## DEATHS IN EACH TOWN (corrected for Transfers)—February 1920.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	...	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	15	4	6	4	...	1	3	...
Scarlet Fever ... ..	3	2	...	1	...	1	2	...
Whooping-cough ... ..	8	1	...	4	3	...	4	...
Diphtheria and Croup ... ..	17	8	...	3	2	2	1	...
Influenza ( <i>Sole Cause specified</i> ) ... ..	3	2	...	2	1	...	...	...
Erysipelas ... ..	4	1	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	79	24	15	13	10	3	4	3
Tuberculous Meningitis ... ..	8	5	2	1	1	1	3	...
Abdominal Tuberculosis ... ..	11	4	1	1	...	...	4	...
Other Tuberculous Diseases ... ..	15	4	1	4	3	2	3	...
Cancer, Malignant Disease ... ..	91	33	18	22	8	9	4	2
Rheumatic Fever ... ..	2	1	1	...	...	...	...	...
Meningitis ... ..	11	4	1	1	...	...	5	1
Organic Heart Disease ... ..	82	39	19	13	11	9	7	5
Bronchitis ... ..	96	31	18	17	7	9	19	4
Pneumonia (all forms) ... ..	167	21	22	27	10	10	19	...
Other Diseases of Respiratory Organs ... ..	23	4	3	3	...	1	2	1
Diarrhoea and Enteritis (under 2 years) ... ..	16	3	3	3	1	1	...	...
Appendicitis and Typhlitis ... ..	4	3	...	...	...	...	...	2
All Liver Diseases (not Malignant) ... ..	7	2	...	...	...	...	...	1
Other Diseases of Digestive System ... ..	40	6	4	6	7	3	6	...
Nephritis and Bright's Disease ... ..	43	6	5	6	1	4	1	...
Puerperal Sepsis ... ..	4	1	2	...	...	...	...	1
Other Diseases and Accidents of Pregnancy and Parturition ... ..	12	2	1	4	...	...	1	...
Congenital Debility and Malformation, including Premature Birth ... ..	126	30	30	21	6	10	13	2
Violent Deaths, excluding Suicide ... ..	56	11	9	9	3	2	7	3
Suicide ... ..	2	...	...	1	...	1	...	...
Other Defined Diseases ... ..	283	88	48	62	21	24	32	9
Diseases Ill-defined or Unknown ... ..	36	2	4	2	1	1	2	2
All Causes ... ..	1264	342	213	230	96	94	142	36
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	7	4	...	3	...	...	3	1
AGE AT DEATH.								
Under 1 ... ..	284	65	48	52	21	23	38	4
1-4 ... ..	101	18	19	19	8	2	24	1
5-9 ... ..	29	10	1	5	4	3	4	...
10-14 ... ..	12	2	1	...	...	3	1	1
15-24 ... ..	42	11	8	8	6	...	6	1
25-34 ... ..	68	19	13	10	9	5	11	3
35-44 ... ..	99	21	10	19	8	13	11	2
45-54 ... ..	132	37	14	20	6	10	7	2
55-64 ... ..	189	44	31	19	14	10	7	8
65-74 ... ..	181	59	30	35	12	11	20	6
75 and over ... ..	127	56	38	43	8	14	13	8
Not stated ... ..	...	...	...	...	...	...	...	...
All Ages ... ..	1264	342	213	230	96	94	142	36



## DEATHS IN EACH TOWN (corrected for Transfers)—February 1920—continued.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	6	...	2	1	...	...	4	...
Scarlet Fever ... ..	...	1	...	...	...	...	...	...
Whooping-cough ... ..	...	1	...	...	...	...	...	...
Diphtheria and Croup ... ..	...	1	1	1	...	...	1	1
Influenza ( <i>Sole Cause specified</i> ) ... ..	...	...	...	...	...	...	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	6	4	2	4	3	1	4	2
Tuberculous Meningitis ... ..	2	...	...	1	1	...	...	...
Abdominal Tuberculosis ... ..	2	...	...	...	...	...	1	1
Other Tuberculous Diseases ... ..	...	...	...	2	...	...	...	1
Cancer, Malignant Disease ... ..	3	3	1	1	7	3	2	2
Rheumatic Fever ... ..	...	...	1	...	...	...	...	...
Meningitis ... ..	2	1	1	...	...	...	...	...
Organic Heart Disease ... ..	5	4	8	4	3	2	2	4
Bronchitis ... ..	5	5	5	9	...	2	1	1
Pneumonia (all forms) ... ..	7	10	1	4	4	2	3	3
Other Diseases of Respiratory Organs ... ..	1	...	1	1	...	...	1	...
Diarrhoea and Enteritis (under 2 years) ... ..	...	2	...	2	...	1	...	...
Appendicitis and Typhlitis ... ..	...	...	...	...	...	1	...	1
All Liver Diseases (not Malignant) ... ..	...	...	...	...	...	...	1	...
Other Diseases of Digestive System ... ..	...	2	...	...	1	2	2	1
Nephritis and Bright's Disease ... ..	1	...	1	...	...	2	...	1
Puerperal Sepsis ... ..	...	...	2	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	2	2	1	1	2	...	1	...
Congenital Debility and Malformation, including Premature Birth ... ..	7	6	1	2	7	3	3	1
Violent Deaths, excluding Suicide ... ..	3	1	3	1	1	...	2	...
Suicide ... ..	...	...	...	1	1	...	...	...
Other Defined Diseases ... ..	8	6	6	9	8	13	10	7
Diseases Ill-defined or Unknown ... ..	...	...	1	1	...	...	1	1
All Causes ... ..	60	49	38	45	38	32	39	27
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	1	2	...	...	...	...	1	...
AGE AT DEATH.								
Under 1 ... ..	14	19	4	6	10	6	8	3
1-4 ... ..	9	6	5	8	1	3	3	3
5-9 ... ..	4	...	...	...	...	...	1	...
10-14 ... ..	...	2	...	...	...	...	...	2
15-24 ... ..	5	1	2	2	3	1	...	1
25-34 ... ..	2	3	4	2	2	2	2	1
35-44 ... ..	7	1	2	4	3	...	6	1
45-54 ... ..	4	8	5	5	7	3	5	2
55-64 ... ..	7	3	6	4	5	3	6	2
65-74 ... ..	6	3	5	6	4	10	6	6
75 and over ... ..	2	3	5	8	3	4	2	6
Not stated ... ..	...	...	...	...	...	...	...	...
All Ages ... ..	60	49	38	45	38	32	39	27



ABSTRACT OF METEOROLOGICAL OBSERVATIONS  
Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,  
During the Month of FEBRUARY 1920.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	Mean at Station and 32°.	Mean at Sea-Level and 32°.	Mean of	Absolute Maximum and Minimum.				Difference from Average	Mean of A and B (Mean Temperature).	Mean at 9 A.M. and 9 P.M.			Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
				Maximum (A).	Minimum (B.)	Maximum	Day of Month.			Minimum.	Day of Month.	Dry Bulb.				Depression of Wet Bulb.	Vapour Pressure.	Humidity.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
feet.	inch.	inch.	°	°	°	°	°	°	°	°	°	°	inch.	inch.	inch.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°

North Latitude.—Glasgow, 55° 51'; Edinburgh, 56° 28'; Dundee, 56° 55'; Aberdeen, 57° 9'; Paisley, 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.  
West Longitude.—Glasgow, 4° 13'; Edinburgh, 8° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.



MONTHLY RETURN  
OF THE  
BIRTHS, DEATHS, AND MARRIAGES  
IN SIXTEEN OF THE PRINCIPAL TOWNS OF  
SCOTLAND.

---

MARCH 1920.

---

Published by Authority of the Registrar-General.

---

REPORT.

During the month of March 1920 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 6870 living children, of whom 3541 were male and 3329 female. The male children registered number 476 more than in the previous month, and 1708 more than in March of last year. The female children registered number 319 more than in the previous month, and 1467 more than in March of last year. The total number of children registered is 795 more than in the previous month, 494 more than the mean of the numbers of the three preceding months, and 3175 more than in March of last year. The number of children registered in these towns is greater in this than in all previous months since these sixteen towns were dealt with collectively in these monthly reports, and that is since January 1912. From January to August of last year the monthly number of births varied from 3214 in February to 4191 in July, but from September onwards has been an increasing quantity, the number in September being 4570, in November 5477, in January of this year 6560, and now in March being 6870.

The equivalent annual birth-rate is 33·4 per thousand of the estimated aggregate population of these towns, which rate is 1·8 more than that of the previous month, 1·7 more than the mean of those of the three preceding months, and 15·4 more than that of March of last year. It is the highest monthly birth-rate yet recorded for these towns, that is since January 1912. In the towns taken individually the monthly birth-rate varied from 43·3 in Greenock, and 41·5 in Hamilton, to 28·1 in Perth, and 29·0 in Edinburgh and in Kilmarnock. In Coatbridge it was 37·7; in Leith, 36·5; in Motherwell, 36·4; in Aberdeen, 35·1; in Glasgow, 33·8; in Kirkcaldy, 33·7; in Paisley, 33·1; in Ayr, 32·3; in Dundee, 31·9; in Clydebank, 31·5; and in Falkirk, 30·8.

Of the 6870 children registered, 6378, or 92·8 per cent., were legitimate, while 492, or 7·2 per cent., were illegitimate. Compared with the number in the previous month, the legitimate children are 784, and the illegitimate children 11, more. Compared with the mean of the numbers of the three preceding months, the legitimate children are 472, and the illegitimate children 22, more. Compared with the number of March of last year, the legitimate children are 3065, and the illegitimate children 110, more. The illegitimate rate of the month is 0·7 less than that of the previous month, 0·2 less than the mean of those of the three preceding months, and 3·1 less than that of March of last year.



Marriages registered in these towns during the month numbered 2054. This number is 369 more than that of the previous month, and 309 more than that of March of last year, but is 513 less than the mean of those of the three preceding months. The equivalent annual marriage-rate is 10·0 per thousand. It is 1·2 more than that of the previous month, and 1·5 more than that of March of last year, but is 2·7 less than the mean of those of the three preceding months. In the individual towns this rate varied from 11·6 in Aberdeen, 11·4 in Edinburgh, and 10·9 in Glasgow, to 4·1 in Clydebank, 5·3 in Coatbridge, and 6·6 in Paisley. In Kilmarnock this rate was 9·7; in Perth, 9·4; in Falkirk, 9·2; in Ayr, 9·1; in Dundee, 8·8; in Leith, 8·2; in Hamilton, 8·1; in Kirkcaldy, 7·8; in Greenock, 7·1; and in Motherwell, 7·0.

Deaths registered in these towns during the month numbered 3681, 1885 being of males, and 1796 of females. These deaths include those of 277 persons with usual residence outwith the town of registration, but do not include those of 201 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 76, falls to be deducted to get the corrected number, which is thus found to be 3605. This number is 860 more than that of the previous month, and 590 more than the mean of those of the three preceding months, but is 1713 less than that of March of last year, a month when influenza was epidemic.

The collective monthly death-rate was 17·5 per thousand. It is 3·2 more than that of the previous month, and 2·5 more than the mean of those of the three preceding months, but is 8·4 less than that of March of last year. In the individual towns the monthly death-rate varied from 20·6 in Aberdeen, 20·1 in Dundee, 19·6 in Greenock, and 19·5 in Leith, to 12·6 in Clydebank, 13·1 in Motherwell, 14·4 in Paisley, and 14·8 in Kirkcaldy. In Kilmarnock this rate was 18·7; in Ayr, 18·6; in Glasgow, 17·9; in Falkirk, 16·4; in Hamilton, 16·1; in Edinburgh, 15·4; in Perth, 15·2; and in Coatbridge, 15·1.

Deaths of children of less than one year old numbered 771. This number is 166 more than that of the previous month, 181 more than the mean of those of the three preceding months, and 15 more than that of March of last year. These deaths equal an infantile mortality rate of 146 per thousand of the average number of births registered monthly during the preceding twelve months, which rate is 17 more than that of the previous month, and 20 more than the mean of those of the three preceding months, but is 41 less than that of March of last year. In the individual towns this rate varied from 240 in Aberdeen, 235 in Dundee, and 208 in Leith, to 83 in Falkirk, 92 in Hamilton, and 93 in Motherwell. In Perth it was 180; in Kilmarnock, 163; in Edinburgh, 147; in Paisley, 147; in Clydebank, 145; in Coatbridge, 144; in Kirkcaldy, 131; in Greenock, 126; in Glasgow, 124; and in Ayr, 100.

Deaths from the principal epidemic diseases numbered 240, and included 8 from enteric fever, 94 from measles, 15 from scarlet fever, 30 from whooping-cough, 41 from diphtheria, and 52 from the diarrhoeas of childhood. These deaths collectively are 93 more than in the previous month, but are 133 fewer than in March of last year.

Three deaths from small-pox were registered in Glasgow during the month. The last time a death from small-pox was registered in these towns was in March 1914, and it was a single one.

Deaths from pneumonia numbered 499, and those from bronchitis 325. The former are 189 more than in the previous month, but 1079 fewer than in March of last year. The latter are 96 more than in the previous month, but 273 fewer than in March of last year.

Deaths of which influenza was the sole named cause numbered 15, and those of which influenza was one of two or more named causes, 76, the total number of death certificates in which influenza was named being 91. In the previous month these three figures were 8, 22, and 30, while in March of last year they were 176, 1059, and 1235.

Deaths from all forms of tuberculous disease numbered 362, of which 266 were attributed to phthisis. The former number is 100 more than in the previous month, but 16 less than in March of last year. The latter number is 89 more than in the previous month, but 3 less than in March of last year.



METEOROLOGICAL NOTES for Eight of the Principal Towns,  
by A. WATT, M.A., F.R.S.E., Secretary to the Scottish  
Meteorological Society.

MARCH 1920.

Mean barometric pressure, 29·713 in.; less than the average of 1881–1915 by 0·088 in.

Mean temperature, 42°·7; greater by 2°·3.

Mean daily range of temperature, 10°·2; less by 1°·6.

Rain, number of days, 20; greater by 3 days.

Rain, depth in inches, 3·29; greater by 0·60 in.

Wind, direction of: a 5 days' excess of winds from S.W.

Hence the month was characterised by a rather low mean pressure; a decidedly high mean temperature, with a low mean daily range; a somewhat high mean rainfall; and an excess of south-westerly winds.

Pressure distribution was again for the most part of a south-westerly type, with considerable fluctuations on 6th–7th, on 11th–12th, and on 14th–15th, when a deep depression crossed the Midlands of England. The mean of the month was rather below the normal. At Leith, at sea-level, pressure was above 30 in. from 2nd to 4th, from 8th to 11th, and from 19th to 22nd, and the extremes at that place were 30·42 in. on night of 2nd and 28·79 in. on morning of 15th.

The first few days were very mild, but on night of 6th with a shift of the wind to the north there was a sharp fall of temperature, with wintry conditions until 9th or 10th. Later, rather low readings around 15th were followed by a decided recovery, with maxima as a rule on 17th, 20th, or 22nd. The mean for the month was everywhere above the normal and the highest since 1912; the nights were for the most part unusually mild; and the extreme range of temperature (63° at Crathes on 22nd and 19° at Leadhills on 9th) was moderate for the month of March. In the west maxima were very moderate, only 51° at Glasgow and Greenock. For the chief towns the mean was 42°·7, or 2°·3 above the normal; the days were 1°·5 and the nights 3°·1 above their respective averages; and the extremes were 60° at Aberdeen on 3rd, 17th and 22nd, and 26° at Edinburgh on 8th and at Perth on 10th.

There were moderately heavy falls towards south-east on 1st, and heavy rains towards north-west from 2nd to 5th, with generally unsettled conditions in that region until 19th, and at Glenquoich as much as 2·50 in. on 3rd and 3·00 in. on 17th. From 23rd to 30th rain was general; there were some widespread heavy falls more particularly on 26th and 27th; and in various districts more than half the month's rainfall was accounted for during that period. Earlier in the month there had been in many parts of the country considerable spells of fair to fine weather. Here and there over limited areas in east and north-east aggregates were slightly below the normal, but in general there was a well-defined excess amounting to about 50 per cent. at Braemar, Rothesay and Dumfries, and to fully 60 per cent. at Glenquoich and Wolfelee. At Glenquoich (15·76 in.) a wetter March has occurred only in 1903 (20·99 in.) The mean for the chief towns was 3·29 in., or 122 per cent. of the normal.

The weather was at times stormy, especially early in the month, and around 12th, 17th and 26th. Snowfalls between 6th and 8th were rather heavy locally, though some districts had none; whilst falls around 14th were more general, though heavy only in hilly districts. Sleet fell on one or two later days, and there was considerable flooding towards the end of the month.

Thunderstorms occurred here and there on 23rd; rather widely on 26th; and at places early on 31st.

There were a few rather sunny days, but aggregates were mostly deficient though fully equal to the normal towards the north-east. Fog occurred during the last day or two.

Aurora was observed in Shetland on 3rd, 13th, 16th, 22nd and 23rd; in Orkney on 14th, 22nd, 23rd and 24th; and at Aberdeen on 4th and 22nd.

NOTE.—For meteorological table see p. 24.



TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, MARCH 1920.

TOWNS.	POPULATION.		BIRTHS.						MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1920.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	Males.		Females.	Total.	Out.	In.	Total Corrected.	
GLASGOW, . . .	1,003,487	1,115,500	1629	1567	3196	2994	202	1031	904	814	1718	97	73	1694	
EDINBURGH, . .	320,769	342,300	450	392	842	745	97	331	235	260	495	85	37	447	
DUNDEE, . . .	176,085	189,000	257	253	510	472	38	141	159	163	322	9	8	321	
ABERDEEN, . .	163,891	167,700	273	225	498	437	61	165	146	152	298	23	18	293	
PAISLEY, . . .	84,455	89,400	120	131	251	239	12	50	58	61	119	10	0	109	
LEITH, . . .	80,601	84,700	132	130	262	245	17	59	65	47	112	2	30	140	
GREENOCK, . .	75,140	79,700	161	131	292	277	15	48	69	65	134	4	2	132	
PERTH, . . .	35,854	36,600	45	42	87	79	8	29	33	25	58	11	0	47	
TOTAL . . . (EIGHT TOWNS)	1,945,282	2,104,900	3067	2871	5938	5488	450	1854	1669	1587	3256	241	168	3183	
COATBRIDGE, . .	43,290	44,500	76	66	142	139	3	20	25	22	57	3	3	57	
MOTHERWELL . .	40,380	42,200	53	72	130	125	5	25	24	19	43	1	5	47	
KIRKCALDY . . .	39,601	40,700	59	57	116	106	10	27	16	36	52	2	1	51	
HAMILTON, . . .	38,644	39,500	69	70	139	134	5	27	28	25	53	2	3	54	
CLYDEBANK, . .	37,548	48,800	68	62	130	126	4	17	28	12	40	1	13	52	
KILMARNOCK, . .	34,728	37,800	44	49	93	87	6	31	41	31	72	14	2	60	
FALKIRK, . . .	33,574	34,500	52	38	90	85	5	27	21	29	50	6	4	48	
AYR, . . .	32,986	33,600	48	44	92	88	4	26	23	35	58	7	2	53	
TOTAL . . . (SIXTEEN TOWNS)	2,246,033	2,426,500	3541	3329	6870	6378	492	2054	1885	1796	3681	277	201	3605	

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, MARCH 1920.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	33·8	6·3	10·9	18·2	17·9	1·1	1·8	1·3	5·0	314	124
EDINBURGH, . .	29·0	11·5	11·4	17·1	15·4	0·9	1·4	1·0	2·7	91	147
DUNDEE, . . .	31·9	7·5	8·8	20·1	20·1	1·8	2·3	1·7	4·7	87	235
ABERDEEN, . .	35·1	12·2	11·6	21·0	20·6	2·2	1·8	1·4	4·9	86	240
PAISLEY, . . .	33·1	4·8	6·6	15·7	14·4	0·8	1·5	1·1	2·8	28	147
LEITH, . . .	36·5	6·5	8·2	15·6	19·5	0·4	2·1	1·4	4·5	37	208
GREENOCK, . .	43·3	5·1	7·1	19·9	19·6	1·8	2·1	1·3	2·7	27	126
PERTH, . . .	28·1	9·2	9·4	18·7	15·2	0·6	2·3	1·6	3·2	11	180
TOTAL . . . (EIGHT TOWNS)	33·3	7·6	10·4	18·3	17·9	1·2	1·8	1·3	4·3	631	151
COATBRIDGE, . .	37·7	2·1	5·3	15·1	15·1	1·3	0·8	0·8	4·2	17	144
MOTHERWELL, . .	36·4	3·3	7·0	12·0	13·1	1·1	1·7	0·8	3·1	10	93
KIRKCALDY, . .	33·7	8·6	7·8	15·1	14·8	0·9	1·2	0·6	3·8	11	131
HAMILTON, . . .	41·5	3·6	8·1	15·8	16·1	1·2	2·7	1·8	4·8	10	92
CLYDEBANK, . .	31·5	3·1	4·1	9·7	12·6	0·5	0·7	0·7	2·9	16	145
KILMARNOCK, . .	29·0	6·5	9·7	22·5	18·7	0·0	2·8	2·2	6·2	13	163
FALKIRK, . . .	30·8	5·6	9·2	17·1	16·4	2·4	2·4	2·1	2·1	6	83
AYR, . . .	32·3	4·3	9·1	20·4	18·6	1·1	1·4	0·7	4·2	7	100
TOTAL . . . (SIXTEEN TOWNS)	33·4	7·2	10·0	17·9	17·5	1·2	1·8	1·3	4·3	771	146

\* Based on the average number of births registered monthly during the past 12 months.



TABLE III.—BIRTH-RATE DEATH-RATE, ETC., FOR MARCH 1920, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							* Infantile Mortality Rate.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
MAR. 1920, .	33·4	7·2	10·0	17·5	8	3	94	15	30	41	52	146	42°·7
MAR. 1919, .	18·0	10·3	8·5	25·9	5	0	59	8	225	39	37	187	36°·2
MAR. 1918, .	18·6	8·1	7·6	14·0	5	0	63	4	96	27	30	101	41°·4
MAR. 1917, .	21·0	7·9	5·8	17·2	3	0	88	7	181	38	44	131	37°·4
MAR. 1916, .	25·0	6·9	6·9	19·2	9	0	177	36	27	51	56	129	36°·9
MAR. 1915, .	28·8	6·5	7·1	22·4	7	0	110	51	418	45	36	176	40°·8
MAR. 1914, .	27·4	6·3	6·6	17·2	4	1	165	33	44	38	55	122	40°·8
MAR. 1913, .	26·0	7·0	7·8	18·3	9	0	28	19	221	36	73	135	41°·1
MAR. 1912, .	27·1	6·5	4·6	16·3	11	0	205	31	42	32	50	121	43°·4
MAR. 1911, .	28·7	7·9	5·5	18·3	6	0	14	18	146	24	42	123	40°·6
MAR. 1910, .	28·0	7·1	6·6	18·5	9	0	193	20	37	31	49	137	43°·3

For all years up to and including 1911, figures are for Eight only of the Principal Towns.  
Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths.  
\* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—March 1920.

CAUSES OF DEATH.	All Ages.	Age.											Age not stated.
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	
Enteric Fever - - - - -	8	-	-	1	1	1	2	-	1	2	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	3	-	1	1	-	-	-	-	-	-	1	-	-
Measles - - - - -	94	27	61	6	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	15	-	7	5	-	-	2	-	-	1	-	-	-
Whooping-cough - - - - -	30	11	18	1	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	41	3	22	13	-	2	1	-	-	-	-	-	-
*Influenza - - - - -	15	1	-	1	-	1	2	3	1	1	3	2	-
Erysipelas - - - - -	16	5	1	-	-	-	-	1	4	1	3	1	-
Phthisis, Pulmonary Tuberculosis - - - - -	266	1	2	6	12	47	60	58	47	25	7	1	-
Tuberculous Meningitis - - - - -	34	4	14	6	6	2	2	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	23	1	5	5	4	3	-	4	-	1	-	-	-
Other Tuberculous Diseases - - - - -	39	2	8	8	-	5	8	1	3	2	2	-	-
Cancer, Malignant Disease - - - - -	277	-	-	-	-	-	6	26	64	76	77	28	-
Rheumatic Fever - - - - -	9	-	-	1	3	2	-	2	1	-	-	-	-
Meningitis - - - - -	32	14	10	2	-	-	1	1	3	-	1	-	-
Organic Heart Disease - - - - -	297	-	1	4	4	11	14	17	45	78	71	51	-
Bronchitis - - - - -	325	87	13	-	-	3	4	13	33	42	74	56	-
Pneumonia (all forms) - - - - -	499	128	84	13	7	37	51	41	40	53	32	13	-
Other Diseases of Respiratory Organs - - - - -	55	12	3	2	-	1	3	3	9	7	7	8	-
Diarrhoea and Enteritis (under 2 years) - - - - -	52	48	4	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	21	-	1	3	1	6	3	2	2	2	1	-	-
All Liver Diseases (not Malignant) - - - - -	19	1	-	1	-	-	-	-	3	3	6	5	-
Other Diseases of Digestive System - - - - -	94	20	9	1	4	6	2	7	12	14	9	10	-
Nephritis and Bright's Disease - - - - -	96	1	1	3	-	6	4	10	15	28	18	10	-
Puerperal Sepsis - - - - -	15	-	-	-	-	5	6	4	-	-	-	-	-
Other Diseases & Accidents of Preg. & Parturition - - - - -	48	-	-	-	-	5	23	19	1	-	-	-	-
Congenital Debility and Malformation, including Premature Birth - - - - -	285	283	1	-	1	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	127	7	16	6	3	16	8	13	18	18	12	10	-
Suicide - - - - -	15	-	-	-	-	-	2	8	3	-	1	1	-
Other Defined Diseases - - - - -	685	103	15	5	7	12	17	38	64	110	149	165	-
Diseases Ill-defined or Unknown - - - - -	70	12	4	-	-	-	3	7	6	18	16	4	-
All Causes - - - - -	3605	771	301	94	53	171	224	278	376	482	490	365	-

\* Sole Cause specified, vide pp. 22-23.



## DEATHS IN EACH TOWN (corrected for Transfers)— March 1920.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	4	...	1	1	...	...	1	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	3	...	...	...	...	...	...	...
Measles ... ..	43	11	6	15	1	...	1	2
Scarlet Fever ... ..	9	2	...	1	...	...	1	...
Whooping-cough ... ..	16	1	3	4	2	...	1	...
Diphtheria and Croup ... ..	16	6	4	6	...	1	3	...
Influenza ( <i>Sole Cause specified</i> ) ... ..	3	1	1	2	...	...	1	...
Erysipelas ... ..	9	2	...	1	...	1	1	...
Phthisis, Pulmonary Tuberculosis ... ..	124	30	28	20	8	10	9	5
Tuberculous Meningitis ... ..	17	4	3	2	1	2	4	1
Abdominal Tuberculosis ... ..	10	2	1	1	2	2	1	...
Other Tuberculous Diseases ... ..	16	4	5	3	...	1	...	1
Cancer, Malignant Disease ... ..	130	51	19	16	11	13	6	1
Rheumatic Fever ... ..	4	1	...	...	...	...	...	...
Meningitis ... ..	14	3	1	1	...	...	2	2
Organic Heart Disease ... ..	125	46	28	26	6	12	16	4
Bronchitis ... ..	172	27	19	23	12	10	8	5
Pneumonia (all forms) ... ..	268	42	51	45	8	21	9	5
Other Diseases of Respiratory Organs ... ..	28	10	5	2	1	1	1	...
Diarrhoea and Enteritis (under 2 years) ... ..	16	5	15	4	3	2	5	...
Appendicitis and Typhlitis ... ..	13	4	1	1	...	1	...	...
All Liver Diseases (not Malignant) ... ..	8	2	...	1	2	1	2	...
Other Diseases of Digestive System ... ..	43	14	8	7	2	6	2	2
Nephritis and Bright's Disease ... ..	55	11	7	4	1	9	3	...
Puerperal Sepsis ... ..	8	1	4	...	1	1	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	24	1	4	2	2	3	5	1
Congenital Debility and Malformation, including Premature Birth ... ..	127	27	31	24	14	10	14	3
Violent Deaths, excluding Suicide ... ..	73	15	9	6	3	4	5	1
Suicide ... ..	7	1	...	1	1	1	...	...
Other Defined Diseases ... ..	273	121	62	68	24	25	26	14
Diseases Ill-defined or Unknown ... ..	36	2	5	6	4	3	5	...
<b>All Causes ...</b>	<b>1694</b>	<b>447</b>	<b>321</b>	<b>293</b>	<b>109</b>	<b>140</b>	<b>132</b>	<b>47</b>
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	<i>42</i>	<i>5</i>	<i>4</i>	<i>8</i>	<i>1</i>	<i>...</i>	<i>...</i>	<i>1</i>
<b>AGE AT DEATH.</b>								
Under 1 ... ..	314	91	87	86	28	37	27	11
1-4 ... ..	143	32	27	25	8	13	17	1
5-9 ... ..	59	7	4	7	2	4	...	...
10-14 ... ..	28	2	2	3	4	...	4	1
15-24 ... ..	91	12	14	12	7	7	8	2
25-34 ... ..	118	20	21	19	5	6	4	2
35-44 ... ..	148	27	20	19	3	18	11	6
45-54 ... ..	207	46	29	18	7	11	7	5
55-64 ... ..	233	68	39	30	15	15	27	2
65-74 ... ..	216	76	45	38	21	18	13	7
75 and over ... ..	137	66	33	36	9	11	14	11
Not stated ... ..	...	...	...	...	...	...	...	...
<b>All Ages ...</b>	<b>1694</b>	<b>447</b>	<b>321</b>	<b>293</b>	<b>109</b>	<b>140</b>	<b>132</b>	<b>47</b>



## DEATHS IN EACH TOWN (corrected for Transfers)—March 1920—continued.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	...	1	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	4	2	1	4	...	...	3	1
Scarlet Fever ... ..	...	...	...	...	...	...	1	1
Whooping-cough ... ..	...	1	...	...	1	...	...	1
Diphtheria and Croup ... ..	1	...	2	...	...	...	2	...
Influenza ( <i>Sole Cause specified</i> ) ... ..	1	...	1	3	1	1	...	...
Erysipelas ... ..	...	...	...	1	...	1	...	...
Phthisis, Pulmonary Tuberculosis ... ..	3	3	2	6	3	7	6	2
Tuberculous Meningitis ... ..	...	...	...	...	...	...	...	...
Abdominal Tuberculosis ... ..	...	...	2	...	...	2	...	...
Other Tuberculous Diseases ... ..	...	3	...	3	...	...	1	2
Cancer, Malignant Disease ... ..	5	6	2	5	1	3	6	2
Rheumatic Fever ... ..	1	...	1	1	1	...	...	...
Meningitis ... ..	1	...	1	...	2	3	1	1
Organic Heart Disease ... ..	7	3	6	3	3	2	4	6
Bronchitis ... ..	11	3	8	5	5	11	2	4
Pneumonia (all forms) ... ..	5	7	2	10	7	9	3	7
Other Diseases of Respiratory Organs ... ..	...	1	3	1	...	...	1	1
Diarrhoea and Enteritis (under 2 years) ... ..	...	1	...	...	1	...	...	...
Appendicitis and Typhlitis ... ..	...	...	...	...	...	...	...	1
All Liver Diseases (not Malignant) ... ..	...	...	...	1	...	...	2	...
Other Diseases of Digestive System ... ..	2	2	...	...	1	1	...	4
Nephritis and Bright's Disease ... ..	2	...	...	...	...	1	1	2
Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	1	1	3	1	...	...	...	...
Congenital Debility and Malformation, including Premature Birth ... ..	5	5	5	3	7	3	3	4
Violent Deaths, excluding Suicide ... ..	...	...	1	...	4	2	1	3
Suicide ... ..	...	...	...	1	...	3	...	...
Other Defined Diseases ... ..	6	6	11	6	13	11	8	11
Diseases Ill-defined or Unknown ... ..	2	3	...	...	2	...	2	...
All Causes ... ..	57	47	51	54	52	60	48	53
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	...	2	...	4	1	7	...	1
AGE AT DEATH.								
Under 1 ... ..	17	10	11	10	16	13	6	7
1-4 ... ..	6	6	3	8	1	3	4	4
5-9 ... ..	...	1	2	2	2	2	1	1
10-14 ... ..	1	1	2	1	1	1	1	1
15-24 ... ..	4	2	3	4	2	2	1	...
25-34 ... ..	3	4	5	4	4	1	3	5
35-44 ... ..	3	2	2	4	5	5	3	3
45-54 ... ..	4	2	4	5	7	9	8	7
55-64 ... ..	8	6	4	4	5	11	7	8
65-74 ... ..	7	8	8	6	7	7	8	5
75 and over ... ..	4	5	7	6	2	6	6	12
Not stated ... ..	...	...	...	...	...	...	...	...
All Ages ... ..	57	47	51	54	52	60	48	53



# ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of MARCH 1920.

OBSERVERS.	Height of Station above Sea-level.	BARO- METER.		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS.											
		Mean at Station and 32°.	Mean at Sea-Level and 32°.	Mean of	Difference from Average	Absolute Maximum and Minimum.			Mean at 9 A.M. and 9 P.M.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.											
						Maximum (A).	Minimum (B.)	Day of Month.								Minimum.	Day of Month.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	
GLASGOW, JAMES CONNELL, The Observatory.	134	29.520	29.725	47.2	38.7	43.0	°	51	3, 17, 20	28	8th	42.4	2.1	.227	84	22	3.56	+0.89	2	3	7	4	7	14	19	4	2
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.230	29.714	47.7	37.3	42.5	°	59	20th	26	8th	41.9	2.2	.222	85	17	2.18	+0.41	1	1	2	6	9	20	14	3	6
DUNDEE, ALEX. MACRAE, Curator of Cemeteries.	164	29.504	29.687	47.9	36.5	42.2	°	58	22nd	27	8th	41.4	1.4	.231	89	18	2.11	+0.05	0	7	0	0	0	34	0	15	0
ABERDEEN,* The Meteorological Office.	90	29.579	29.681	48.5	37.0	42.8	°	60	3, 17, 22	27	8th	41.7	2.0	.223	86	20	2.74	+0.23	2	1	0	7	18	15	9	8	2
PAISLEY, The Coats Observatory.	107	29.609	29.729	48.0	37.5	42.8	°	53	23th	27	8th	43.2	2.1	.224	84	23	4.55	+1.37	2	2	1	3	12	14	10	3	15
LEITH,† JAMES BOLAN, Navigation School.	76	29.634	29.719	47.8	38.8	43.3	°	54	6, 17, 22	29	8th	43.8	1.8	.246	86	18	2.03	+0.06	2	2	2	4	6	18	24	4	0
GREENOCK,† JAMES MACALISTER, A.M. Inst. C.E., Greenock Waterworks.	233	29.474	29.735	46.5	38.2	42.4	°	51	4, 17	28	8th	42.1	2.1	.224	84	26	7.01	+2.08	0	1	9	7	0	21	13	11	0
PERTH,† JOHN RITCHIE, Junr., The Museum.	22	29.686	29.711	48.4	37.1	42.8	°	59	22nd	26	10th	..	..	..	..	15	2.14	-0.35	1	2	6	2	3	28	10	10	0
Means	165	29.530	29.713	47.8	37.6	42.7	°	..	..	..	..	42.4	2.0	.230	85	20	3.29	+0.60	1	2	4	5	7	21	12	7	3

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.  
West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.  
West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

\* At Western College at 7 A.M. and 6 P.M.  
At Spring College at 7 A.M. and 6 P.M.

EDINBURGH: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

To be purchased from H.M. STATIONERY OFFICE (Scottish Branch), 23 Forth Street, Edinburgh.

Printed under the authority of HIS MAJESTY'S STATIONERY OFFICE  
By J. Skinner & Co., Ltd., 27 Thistle Street, Edinburgh.

Price £d. net.



MONTHLY RETURN  
OF THE  
BIRTHS, DEATHS, AND MARRIAGES  
IN SIXTEEN OF THE PRINCIPAL TOWNS OF  
SCOTLAND.

---

APRIL 1920.

---

Published by Authority of the Registrar-General.

---

REPORT.

During the month of April 1920 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 6412 living children, of whom 3297 were male and 3115 were female. The male children of the month are 244 fewer than those of the previous month, but 1349 more than those of April of last year. The female children of the month are 214 fewer than those of the previous month, but 1308 more than those of April of last year. The total number of children registered is 458 less than that of the previous month, and 90 less than the mean of the numbers of the three preceding months, but is 2657 more than that of April of last year.

The monthly birth-rate was 32·2 per thousand of the estimated aggregate population of these towns. It is 1·2 less than that of the previous month, and 0·1 less than the mean of those of the three preceding months, but is 13·3 more than that of April of last year. In the towns taken individually this rate ranged from 41·4 in Coatbridge, 39·5 in Greenock, 37·0 in Hamilton, and 35·5 in Motherwell and in Ayr, to 26·3 in Perth, 28·4 in Edinburgh, and 28·8 in Kirkcaldy. In Clydebank this rate was 34·5; in Glasgow, 32·8; in Falkirk, 32·5; in Aberdeen, 33·2; in Paisley, 33·2; in Kilmarnock, 31·0; in Dundee, 29·7; and in Leith, 29·1.

Of the 6412 children whose births were registered, 5970, or 93·1 per cent., were legitimate, while 442, or 6·9 per cent., were illegitimate. Compared with the returns of the previous month, the legitimate children are 408, and the illegitimate children 50, fewer. Compared with the returns of April of last year the legitimate children are 2538, and the illegitimate children 119, more. The illegitimate rate is 0·3 less than that of the previous month, 0·4 less than the mean of those of the three preceding months, and 1·7 less than that of April of last year.

Marriages registered numbered 2476. This number is 422 more than that of the previous month, and 167 more than the mean of those of the three preceding months, but is 25 less than that of April of last year. The equivalent annual marriage-rate is 12·4 per thousand. It is 2·4 more than that of the previous month, and 1·0 more than the mean of those of the three preceding months, but is 0·2 less than that of April of last year. In the individual towns this rate varied from 14·5 in Dundee, 13·8 in Edinburgh and in Ayr, and 13·1 in Glasgow, to 6·7 in Falkirk, 7·8 in Clydebank, 8·1 in Motherwell, and 8·4 in Kirkcaldy. In Kilmarnock this rate was 12·6; in Aberdeen, 12·2; in Greenock, 12·1; in Perth, 11·0; in Hamilton, 10·2; in Paisley, 10·0; in Coatbridge, 9·6; and in Leith, 9·4.



Deaths registered in these towns numbered 3735, 1981 being of males, and 1754 of females. These deaths include those of 317 persons with usual residence outwith the town of registration, but exclude those of 246 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 71, falls to be deducted to get the corrected number, which is thus found to be 3664. This number is 59 more than that of March, 465 more than the mean of those of the three preceding months, and 527 more than that of April of last year.

The collective monthly death-rate was 18·4 per thousand. It is 0·9 more than that of the previous month, and 2·5 more than the mean of those of the three preceding months, and 2·6 more than that of April of last year. In the individual towns this rate ranged from 24·1 in Dundee, 22·2 in Hamilton, and 21·0 in Kirkcaldy, to 13·1 in Ayr, and 13·5 in Paisley and in Clydebank. In Perth this rate was 19·7; in Glasgow, 19·3; in Greenock, 19·1; in Falkirk, 18·7; in Coatbridge, 18·4; in Leith, 17·7; in Aberdeen, 16·6; in Motherwell, 16·5; in Kilmarnock, 15·5; and in Edinburgh, 15·4.

Deaths of children of less than one year old numbered 790. This number is 19 more than that of the previous month, 128 more than the mean of those of the three preceding months, and 294 more than that of April of last year. These deaths equal an infantile mortality rate of 148 per thousand of the average number of births registered monthly during the preceding twelve months. This rate is 2 more than that of the previous month, 14 more than the mean of those of the three preceding months, and 20 more than in April of last year. In the individual towns this rate varied from 291 in Dundee, 188 in Kirkcaldy, and 183 in Leith, to 93 in Motherwell, 110 in Coatbridge, and 116 in Greenock. Were this rate based on the number of children dying during the month and on the number born during the month the rates would be considerably less, as in each town the number born during April was in excess of the monthly average born during the year May 1919 to April 1920. Thus the collective infantile mortality rate of the sixteen towns, when calculated on the actual number of births registered during the month, is found to be 123 per thousand, and the highest rates in the individual towns are found to be 239 in Dundee, 167 in Kirkcaldy, and 163 in Leith.

Deaths from the principal epidemic diseases numbered 263, and included 4 from enteric fever, 128 from measles, 9 from scarlet fever, 37 from whooping-cough, 40 from diphtheria, and 45 from the diarrhœas of childhood. These deaths collectively number 23 more than in the previous month, but 106 fewer than in April of last year.

Six deaths from small-pox were registered in Glasgow during the month; during March there were three.

Deaths from pneumonia numbered 712, and from bronchitis 343. The former are 213 more than in the previous month, and 282 more than in April of last year. The latter are 18 more than in the previous month, and 85 more than in April of last year.

Deaths of which influenza was the sole named cause numbered 39, and those of which influenza was one of two or more named causes, 239, the total number of death certificates in which influenza was named being 278. This total is 187 more than in the previous month, and 110 more than in April of last year.

Deaths from all forms of tuberculous disease numbered 360, and included 251 from phthisis. The total deaths from tuberculous disease are 2 fewer than in the previous month, but 41 more than in April of last year. The deaths from phthisis are 15 fewer than in the previous month, but 47 more than in April of last year.



METEOROLOGICAL NOTES for Eight of the Principal Towns,  
by A. WATT, M.A., F.R.S.E., Secretary to the Scottish  
Meteorological Society.

APRIL 1920.

Mean barometric pressure, 29·631 in.; less than the average of 1881–1915 by 0·259 in.

Mean temperature, 44°·0; less by 0°·6.

Mean daily range of temperature, 10°·6; less by 3°·4.

Rain, number of days, 19; greater by 4 days.

Rain, depth in inches, 1·87; less by 0·16 in.

Wind, direction of: a 2 days' excess of winds from N.W.

Hence the month was characterised by an abnormally low mean pressure; a slightly low mean temperature, with an abnormally low mean daily range; a slightly low mean rainfall; and an excess of north-westerly winds.

Various primary or secondary depressions passed eastwards over our islands, most of them across the southern half of England, with frequent winds over the Scottish area from between north-west and east. The mean pressure of the month was lower than in any April for the last fifty years; at Leith, at sea-level, readings reached 30 in. only on 23rd; and the extremes there were 30·12 in. on 23rd and 28·98 in. on 16th.

The south-westerly type of conditions which had been dominant since the beginning of the year was but little in evidence, and there were few warm days. From 8th to 11th with easterly winds, and towards the end of the month with north-westerly winds, the weather was decidedly cold. Highest readings occurred generally on 24th (63° at Crathes), and were very moderate for April; the lowest readings (23° at Balmoral, Braemar, Leadhills and West Linton), on 8th or 9th. On the mean of the month day temperatures were decidedly below the normal, but the nights, which were in general cloudy, above the normal. For the chief towns the mean was 44°·0, or 0°·6 below the normal; the days were 2°·3 below and the nights 1°·1 above their respective averages; the mean daily range was the lowest on record for April; and the extremes were 62° at Aberdeen on 24th, and 27° at Perth on 8th.

Rain was general in the east during the first few days, and at Edinburgh more than half the aggregate was accounted for between 1st and 3rd; towards the middle of the month conditions were generally unsettled; and near the end there were moderately heavy falls in northern districts. "Rain days" were in some districts rather numerous, but on many of them amounts were nominal; towards north-west especially there was much fine weather; and in north-west and west for the most part the month was decidedly dry. Towards north-east and south-east and in south there was a fairly well-defined though moderate excess. The mean for the chief towns was 1·87 in., or 92 per cent. of the normal.

Wind force was as a rule moderate, though rather high towards the end of the month, and there was some snow and hail around 9th and during the last few days.

Thunder or thunderstorms occurred at Rothesay on 5th, at Fort William and in Berwickshire on 20th, and in the Lothians on 27th.

The month was decidedly cloudy, with fog at times, and sunshine amounts were much below the normal though good during the last few days.

Aurora was observed at Glasgow on 16th, and in Orkney on 9th, 17th and 21st.

NOTE.—For meteorological table see p. 32.



TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, APRIL 1920.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1920.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,115,500	1535	1468	3003	2793	210	1195	982	833	1815	118	69	1766
EDINBURGH, . .	320,769	342,300	412	385	797	725	72	388	251	222	473	93	53	433
DUNDEE, . . .	176,085	189,000	236	224	460	414	46	224	183	195	378	10	6	374
ABERDEEN, . .	163,891	167,700	232	224	456	420	36	168	106	135	241	35	22	228
PAISLEY, . . .	84,455	89,400	124	119	243	230	13	73	57	41	98	4	5	99
LEITH, . . .	80,601	84,700	114	88	202	192	10	65	49	45	94	4	33	123
GREENOCK, . .	75,140	79,700	138	120	258	249	9	79	76	58	134	11	2	125
PERTH, . . .	35,854	36,600	38	41	79	75	4	33	37	27	64	7	2	59
TOTAL . . (EIGHT TOWNS)	1,945,282	2,104,900	2829	2669	5498	5098	400	2225	1741	1556	3297	282	192	3207
COATBRIDGE, . .	43,290	44,500	84	67	151	145	6	35	32	32	64	2	5	67
MOTHERWELL . .	40,380	42,200	58	65	123	116	7	28	34	18	52	0	5	57
KIRKCALDY . . .	39,601	40,700	46	50	96	92	4	28	30	29	59	2	13	70
HAMILTON, . . .	38,644	39,500	67	53	120	114	6	33	40	25	65	1	8	72
CLYDEBANK, . .	37,548	48,800	69	69	138	138	0	31	18	21	39	1	16	54
KILMARNOCK, . .	34,728	37,800	53	43	96	90	6	39	29	29	58	13	3	48
FALKIRK, . . .	33,574	34,500	48	44	92	90	2	19	36	21	57	8	4	53
AYR, . . .	32,986	33,600	43	55	98	87	11	38	21	23	44	8	0	36
TOTAL . . (SIXTEEN TOWNS)	2,246,033	2,426,500	3297	3115	6412	5970	442	2476	1981	1754	3735	317	246	3664

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, APRIL 1920.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	32·8	7·0	13·1	19·9	19·3	1·3	2·1	1·5	6·0	344	136
EDINBURGH, . .	28·4	9·0	13·8	16·9	15·4	0·5	1·6	1·0	3·9	89	141
DUNDEE, . . .	29·7	10·0	14·5	24·4	24·1	1·2	1·3	0·8	10·7	110	291
ABERDEEN, . .	33·2	7·9	12·2	17·5	16·6	1·0	1·7	1·2	3·3	54	147
PAISLEY, . . .	33·2	5·3	10·0	13·4	13·5	1·2	1·1	1·0	2·7	24	123
LEITH, . . .	29·1	5·0	9·4	13·5	17·7	1·3	2·0	1·4	4·0	33	183
GREENOCK, . .	39·5	3·5	12·1	20·5	19·1	0·6	2·3	1·5	4·6	25	116
PERTH, . . .	26·3	5·1	11·0	21·3	19·7	2·0	2·7	2·0	3·3	9	148
TOTAL . . . (EIGHT TOWNS)	31·9	7·3	12·9	19·1	18·6	1·4	1·9	1·3	* 5·6	688	151
COATBRIDGE, . .	41·4	4·0	9·6	17·5	18·4	0·5	0·8	0·5	6·0	13	110
MOTHERWELL, . .	35·5	5·7	8·1	15·0	16·5	0·9	1·7	0·3	7·5	10	93
KIRKCALDY, . .	28·8	4·2	8·4	17·7	21·0	0·0	2·7	1·8	4·2	16	188
HAMILTON, . . .	37·0	5·0	10·2	20·1	22·2	2·5	1·2	1·2	7·1	17	156
CLYDEBANK, . .	34·5	0·0	7·8	9·8	13·5	1·5	0·3	0·3	4·5	13	119
KILMARNOCK, . .	31·0	6·3	12·6	18·7	15·5	0·3	1·3	0·6	6·8	11	138
FALKIRK, . . .	32·5	2·2	6·7	20·1	18·7	1·1	1·8	1·1	4·6	13	176
AYR, . . .	35·5	11·2	13·8	16·0	13·1	1·1	1·5	0·4	3·3	9	123
TOTAL . . . (SIXTEEN TOWNS)	32·2	6·9	12·4	18·8	18·4	1·3	1·3	1·3	5·6	790	148

\* Based on the average number of births registered monthly during the past 12 months.



TABLE III.—BIRTH-RATE DEATH-RATE, ETC., FOR APRIL 1920, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							* Infantile Mortality Rate.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
APR. 1920, .	32.2	6.9	12.4	18.4	4	6	128	9	37	40	45	148	44° 0
APR. 1919, .	18.9	8.6	12.6	15.8	2	0	88	6	213	24	36	128	44° 7
APR. 1918, .	22.4	7.9	9.2	14.5	4	0	111	8	86	28	38	118	43° 2
APR. 1917, .	22.2	7.8	8.0	18.0	3	0	239	5	244	27	33	140	41° 0
APR. 1916, .	24.6	6.4	8.0	17.1	4	0	141	39	40	30	44	116	45° 3
APR. 1915, .	28.3	7.5	9.1	20.3	8	0	140	33	361	37	58	155	45° 4
APR. 1914, .	28.8	6.8	10.6	16.4	10	0	107	20	52	31	51	110	48° 5
APR. 1913, .	29.3	6.3	9.4	17.4	12	0	66	13	166	30	52	111	44° 8
APR. 1912, .	31.2	6.3	10.2	16.8	3	0	195	19	57	25	40	117	47° 4
APR. 1911, .	26.4	7.0	9.5	18.2	4	0	33	9	183	25	31	123	45° 4
APR. 1910, .	29.4	6.9	7.9	19.5	2	0	254	21	27	28	69	140	43° 3

For all years up to and including 1911, figures are for Eight only of the Principal Towns.  
Figures in Columns 5-18 have, for 1913 and subsequent years, been corrected for non-resident deaths.  
\* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—April 1920.

CAUSES OF DEATH.	All Ages.	Age.												Age not stated.
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-		
Enteric Fever - - - - -	4	-	1	-	-	2	-	1	-	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	6	1	1	1	1	1	-	-	1	-	-	-	-	-
Measles - - - - -	128	54	71	2	-	1	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	9	-	6	1	2	-	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	37	18	16	3	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	40	7	23	6	1	-	3	-	-	-	-	-	-	-
*Influenza - - - - -	39	4	3	-	-	4	6	2	5	2	3	10	-	-
Erysipelas - - - - -	7	1	-	-	-	1	1	2	-	2	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	251	1	7	5	11	52	63	48	39	18	7	-	-	-
Tuberculous Meningitis - - - - -	41	11	16	7	3	4	-	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	26	3	5	1	7	5	-	1	3	1	-	-	-	-
Other Tuberculous Diseases - - - - -	42	4	6	2	9	8	4	5	-	2	1	1	-	-
Cancer, Malignant Disease - - - - -	226	-	-	1	-	6	3	15	43	75	58	25	-	-
Rheumatic Fever - - - - -	4	-	-	2	-	1	1	-	-	-	-	-	-	-
Meningitis - - - - -	31	14	8	4	-	1	1	1	-	1	1	-	-	-
Organic Heart Disease - - - - -	292	1	1	2	1	11	16	18	40	75	74	53	-	-
Bronchitis - - - - -	343	74	18	-	-	4	4	15	29	60	68	71	-	-
Pneumonia (all forms) - - - - -	712	177	125	15	6	56	81	58	51	71	51	21	-	-
Other Diseases of Respiratory Organs - - - - -	49	11	3	-	-	1	4	3	9	5	7	6	-	-
Diarrhoea and Enteritis (under 2 years) - - - - -	45	38	7	-	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	19	1	1	2	4	6	1	-	2	1	1	-	-	-
All Liver Diseases (not Malignant) - - - - -	20	-	-	-	-	1	3	2	2	6	3	3	-	-
Other Diseases of Digestive System - - - - -	101	15	12	2	2	9	15	6	12	12	14	2	-	-
Nephritis and Bright's Disease - - - - -	77	-	1	-	1	1	9	6	13	15	18	13	-	-
Puerperal Sepsis - - - - -	8	-	-	-	-	2	4	2	-	-	-	-	-	-
Other Diseases & Accidents of Preg. & Parturition - - - - -	33	-	-	-	-	3	19	11	-	-	-	-	-	-
Congenital Debility and Malformation, including - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Premature Birth - - - - -	250	248	1	-	-	-	1	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	95	6	10	8	2	14	7	6	14	19	3	6	-	-
Suicide - - - - -	16	-	-	-	-	1	1	2	5	5	1	1	-	-
Other Defined Diseases - - - - -	662	96	9	6	6	13	20	24	55	100	140	193	-	-
Diseases Ill-defined or Unknown - - - - -	51	5	3	-	-	-	-	8	10	7	15	3	-	-
All Causes - - - - -	3664	790	354	70	56	208	267	236	333	477	465	408	-	-
Influenza—Contributory Cause - - - - -	289	14	18	2	2	29	54	32	22	37	20	9	-	-

\* Sole Cause specified, vide pp. 30-31.



## DEATHS IN EACH TOWN (corrected for Transfers)— April 1920.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	4	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	6	...	...	...	...	...	...	...
Measles ... ..	98	6	2	3	2	5	1	3
Scarlet Fever ... ..	7	...	...	1	...	...	...	1
Whooping-cough ... ..	15	1	7	3	6	...	...	1
Diphtheria and Croup ... ..	19	5	3	5	1	2	...	1
Influenza ( <i>Sole Cause specified</i> ) ... ..	16	3	7	6	...	...	4	...
Erysipelas ... ..	4	2	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	141	28	12	17	7	10	10	6
Tuberculous Meningitis ... ..	18	6	3	4	1	2	2	1
Abdominal Tuberculosis ... ..	14	6	...	...	...	...	2	...
Other Tuberculous Diseases ... ..	17	5	5	3	...	2	1	1
Cancer, Malignant Disease ... ..	102	35	15	18	11	14	2	7
Rheumatic Fever ... ..	2	...	...	...	...	1	1	...
Meningitis ... ..	19	2	1	1	2	1	3	...
Organic Heart Disease ... ..	117	40	36	16	5	12	17	10
Bronchitis ... ..	163	39	39	13	9	9	15	3
Pneumonia (all forms) ... ..	368	57	122	32	11	19	11	6
Other Diseases of Respiratory Organs ... ..	19	13	4	1	...	...	4	1
Diarrhoea and Enteritis (under 2 years) ... ..	19	3	6	2	...	2	3	...
Appendicitis and Typhlitis ... ..	11	...	2	...	...	1	...	...
All Liver Diseases (not Malignant) ... ..	11	1	...	5	...	...	...	...
Other Diseases of Digestive System ... ..	43	15	2	4	7	2	9	4
Nephritis and Bright's Disease ... ..	46	7	5	5	2	3	1	...
Puerperal Sepsis ... ..	6	1	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	16	2	4	6	1	...	1	1
Congenital Debility and Malformation, including Premature Birth ... ..	103	28	21	26	9	10	14	...
Violent Deaths, excluding Suicide ... ..	53	14	7	4	3	1	1	2
Suicide ... ..	8	2	...	...	...	...	1	...
Other Defined Diseases ... ..	272	111	63	51	22	26	20	9
Diseases Ill-defined or Unknown ... ..	29	1	8	2	...	1	2	2
<b>All Causes ... ..</b>	<b>1766</b>	<b>433</b>	<b>374</b>	<b>228</b>	<b>99</b>	<b>123</b>	<b>125</b>	<b>59</b>
<i>Influenza—Contributory Cause, otherwise classified above ... ..</i>	<i>106</i>	<i>18</i>	<i>55</i>	<i>14</i>	<i>...</i>	<i>2</i>	<i>5</i>	<i>1</i>
<b>AGE AT DEATH.</b>								
Under 1 ... ..	344	89	110	54	24	33	25	9
1- 4 ... ..	208	18	36	14	2	13	9	5
5- 9 ... ..	44	3	3	5	4	2	1	1
10-14 ... ..	27	6	5	5	2	1	1	2
15-24 ... ..	106	24	13	14	3	9	6	4
25-34 ... ..	144	23	29	16	7	4	14	5
35-44 ... ..	126	26	17	12	7	8	10	3
45-54 ... ..	173	53	32	11	5	10	11	8
55-64 ... ..	238	55	43	24	15	13	12	8
65-74 ... ..	210	72	39	31	15	12	19	10
75 and over ... ..	146	64	47	42	15	18	17	4
Not stated ... ..	...	...	...	...	...	...	...	...
<b>All Ages ... ..</b>	<b>1766</b>	<b>433</b>	<b>374</b>	<b>228</b>	<b>99</b>	<b>123</b>	<b>125</b>	<b>59</b>



## DEATHS IN EACH TOWN (corrected for Transfers)—April 1920—continued.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	...	...	...	4	2	...	...	2
Scarlet Fever ... ..	...	...	...	...	...	...	...	...
Whooping-cough ... ..	...	1	...	2	1	...	...	...
Diphtheria and Croup ... ..	...	1	...	...	...	...	2	1
Influenza ( <i>Sole Cause specified</i> ) ... ..	1	...	1	1	...	...	...	...
Erysipelas ... ..	...	...	1	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	2	1	6	4	1	2	3	1
Tuberculous Meningitis ... ..	...	2	1	...	...	...	...	1
Abdominal Tuberculosis ... ..	...	1	1	...	...	...	2	...
Other Tuberculous Diseases ... ..	1	2	1	...	...	2	...	2
Cancer, Malignant Disease ... ..	2	4	2	6	2	...	2	4
Rheumatic Fever ... ..	...	...	...	...	...	...	...	...
Meningitis ... ..	...	...	...	...	2	...	...	...
Organic Heart Disease ... ..	3	3	11	4	3	6	6	3
Bronchitis ... ..	8	12	10	5	3	8	5	2
Pneumonia (all forms) ... ..	13	12	3	17	15	12	8	6
Other Diseases of Respiratory Organs ... ..	1	2	1	1	...	1	...	1
Diarrhœa and Enteritis (under 2 years) ... ..	2	1	...	2	3	1	1	...
Appendicitis and Typhlitis ... ..	1	2	1	1	...	...	...	...
All Liver Diseases (not Malignant) ... ..	1	...	...	...	2	...	...	...
Other Diseases of Digestive System ... ..	2	2	1	1	...	2	5	2
Nephritis and Bright's Disease ... ..	...	1	1	3	1	1	1	...
Puerperal Sepsis ... ..	...	...	...	...	1	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	...	...	...	...	2	...	...	...
Congenital Debility and Malformation, including Premature Birth ... ..	5	3	5	11	3	3	6	3
Violent Deaths, excluding Suicide ... ..	2	1	2	2	1	1	...	1
Suicide ... ..	1	...	1	...	2	...	...	1
Other Defined Diseases ... ..	19	5	20	8	9	9	12	6
Diseases Ill-defined or Unknown ... ..	3	1	1	...	1	...	...	...
All Causes ... ..	67	57	70	72	54	48	53	36
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	2	9	1	6	7	11	...	2
AGE AT DEATH.								
Under 1 ... ..	13	10	16	17	13	11	13	9
1-4 ... ..	6	10	5	15	5	1	5	2
5-9 ... ..	1	1	1	...	1	...	1	2
10-14 ... ..	1	3	1	1	...	1	...	...
15-24 ... ..	5	3	2	6	7	1	4	1
25-34 ... ..	4	4	4	3	6	2	1	1
35-44 ... ..	4	2	5	2	6	2	3	3
45-54 ... ..	6	4	4	3	3	4	4	2
55-64 ... ..	13	11	9	9	6	14	5	2
65-74 ... ..	9	3	8	12	3	5	11	6
75 and over ... ..	5	6	15	4	4	7	6	8
Not stated ... ..	...	...	...	...	...	...	...	...
All Ages ... ..	67	57	70	72	54	48	53	36



## ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of APRIL 1920.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.												
	Mean at Station and 32°.		Mean of		Mean of A and B (Mean Temperature).		Difference from Average		Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.											
	feet.	inch.	°	°	°	°	°	°	°	°	°	°				N	NE	E	SE	S	SW	W	NW	Calm or Variable.			
GLASGOW, JAMES CONNELL, The Observatory.	184	29.428	29.632	49.3	39.5	44.4	-0.6	56	24th	31	8th	43.7	2.6	.229	80	21	1.98	-0.10	2	11	9	4	3	6	14	7	4
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.150	29.630	46.7	38.4	42.6	-1.2	58	24th	31	8th	42.9	2.5	.224	82	19	1.59	+0.22	3	6	9	4	7	5	14	5	7
DUNDEE, ALEX. MACRAE, Curator of Cemeteries.	164	29.443	29.625	50.0	37.8	43.9	-0.2	60	24th	29	8th	43.2	1.4	.249	89	19	1.76	+0.06	0	3	0	26	0	15	0	16	0
ABERDEEN,* The Meteorological Office.	90	29.532	29.634	48.4	39.2	43.8	+0.1	62	24th	31	9th	43.0	1.8	.238	86	20	2.11	+0.24	2	6	7	11	9	4	8	11	2
PAISLEY, The Coats Observatory.	107	29.520	29.640	51.2	38.3	44.8	-1.4	57	24th	30	8th	44.9	2.8	.236	80	19	1.42	-0.90	0	5	11	2	5	5	10	9	13
LEITH,† JAMES BOLAM, Navigation School.	76	29.534	29.619	49.3	39.8	44.6	-0.8	60	18th	32	9th	44.2	2.0	.246	85	22	1.55	+0.05	8	6	18	2	2	4	14	6	0
GREENOCK,† JAMES MACALISTER, A.M. Inst. C.E., Greenock Waterworks.	233	29.372	29.632	48.6	39.0	43.8	-0.8	55	24th	31	8th	44.0	2.9	.226	78	21	2.50	-1.14	0	4	14	8	0	4	12	18	0
PERTH,† JOHN RITCHIE Junr., The Museum.	22	29.614	29.638	51.0	37.7	44.4	-0.1	59	24th	27	8th	..	..	..	..	14	2.93	+0.25	4	10	11	6	0	3	13	13	0
Mean	165	29.449	29.631	49.3	38.7	44.0	-0.6	..	..	..	..	43.7	2.3	.235	83	19	1.87	-0.16	2	6	10	8	3	6	11	11	3

Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.  
Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.  
Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

\* At King's College at 7 A.M. and 6 P.M. † At 6 A.M. only.

EDINBURGH: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

To be purchased from H.M. STATIONERY OFFICE (Scottish Branch), 23 Forth Street, Edinburgh.

Printed under the authority of HIS MAJESTY'S STATIONERY OFFICE  
By J. Skinner & Co., Ltd., 27 Thistle Street, Edinburgh.

Price 6d. net.



MONTHLY RETURN  
OF THE  
BIRTHS, DEATHS, AND MARRIAGES  
IN SIXTEEN OF THE PRINCIPAL TOWNS OF  
SCOTLAND.

---

MAY 1920.

---

Published by Authority of the Registrar-General.

---

REPORT.

During the month of May 1920 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 6105 living children, of whom 3129 were male and 2976 female. The male children are 168 fewer than in the previous month, but 1047 more than in May of last year. The female children are 139 fewer than in the previous month, but 938 more than in May of last year. The total children are 307 fewer than in the previous month, and 347 fewer than the mean of the numbers for the three preceding months, but are 1985 more than in May of last year.

The monthly birth-rate was 29·7 per thousand of the estimated aggregate population of these towns. It is 2·5 less than that of the previous month, and 2·7 less than the mean of the rates for the three preceding months, but is 9·6 above that for May of last year. In the individual towns this rate ranged from 35·3 in Greenock, 31·8 in Paisley, and 31·4 in Aberdeen, to 24·5 in Perth, 26·4 in Edinburgh, and 26·7 in Kirkcaldy. In Hamilton it was 30·8; in Ayr, 30·5; in Glasgow, 30·4; in Dundee and in Coatbridge, 30·0; in Motherwell, 29·4; in Clydebank, 28·8; in Kilmarnock, 28·1; in Leith, 27·6; and in Falkirk, 27·4.

Of the 6105 children whose births were registered, 5620, or 92·1 per cent., were legitimate, and 485, or 7·9 per cent., illegitimate. Compared with the returns for the previous month, the former are 350 fewer, but the latter are 43 more. Compared with the returns for May of last year the former are 1852 more, and the latter are 133 more. The illegitimate rate is 1·0 above that for the previous month, and is 0·6 above the mean of the rates for the three preceding months, but is 0·6 below that for May of last year. In the individual towns this rate ranged from 12·1 in Aberdeen, 10·3 in Edinburgh, and 9·7 in Coatbridge, to 2·9 in Motherwell, 3·3 in Kilmarnock, and 3·9 in Hamilton. In Dundee it was 8·3, and in Glasgow, 8·1.

Marriages registered numbered 1443. They are 1033 fewer than in the previous month, 629 fewer than the mean of the numbers for the three preceding months, and 3 fewer than in May of last year. The equivalent marriage-rate is 7·0 per thousand. It is 5·4 below that for the previous month, and 3·4 below the mean of the rates for the three preceding months, but is the same as in May of last year. In the individual towns this rate ranged from 9·3 in Aberdeen, and 7·9 in Glasgow and in Falkirk, to 2·5 in Motherwell, 3·1 in Clydebank, and 3·4 in Kilmarnock. In



Perth it was 7·7; in Edinburgh, 7·5; in Ayr, 7·0; in Paisley, 5·7; in Dundee, 5·6; in Greenock, 5·2; in Hamilton, 5·1; in Coatbridge, 4·8; in Kirkcaldy, 4·1; and in Leith, 3·8.

Deaths registered in these towns numbered 3321, 1793 being of males, and 1528 of females. These deaths include those of 284 persons with usual residence outwith the town of registration, but they do not include those of 241 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 43, falls to be deducted to get the corrected number, which is thus found to be 3278. This number is 385 less than in the previous month, and 59 less than the mean of the numbers for the three preceding months, but is 626 more than in May of last year.

The equivalent annual death-rate is 16·0 per thousand. It is 2·4 below that for the previous month, and 0·7 below the mean of the rates for the three preceding months, but is 3·1 above that for May of last year. In the individual towns this rate ranged from 21·3 in Greenock, 18·3 in Dundee, and 17·2 in Glasgow, to 8·7 in Perth, 10·0 in Kilmarnock, and 12·6 in Ayr. In Motherwell it was 16·5; in Coatbridge, 16·2; in Kirkcaldy, 15·7; in Clydebank, 15·3; in Aberdeen, 15·0; in Leith, 14·5; in Edinburgh and in Falkirk, 13·3; and in Paisley and in Hamilton, 13·1.

Deaths of children of less than one year old numbered 685. They are 105 fewer than in the previous month, and 37 fewer than the mean of the numbers for the three preceding months, but are 266 more than in May of last year. These deaths equal an infantile mortality rate of 121 per thousand of the average number of births registered monthly during the preceding twelve months. This rate is 27 below that for the previous month, and 20 below the mean of the rates for the three preceding months, but is 15 more than in May of last year. In the individual towns this rate ranged from 209 in Dundee, 161 in Aberdeen, and 144 in Greenock, to 64 in Falkirk and in Ayr, and 71 in Kilmarnock. In Motherwell it was 142; in Kirkcaldy, 120; in Glasgow, 119; in Coatbridge, 115; in Edinburgh, 101; in Clydebank, 95; in Leith, 84; in Paisley, 81; in Hamilton, 78; and in Perth, 76. Infantile mortality rates based on the actual number of births registered during the month in each town, and not on the average for the preceding twelve months, would, in most cases, be lower than the rates quoted, as generally the number of births registered during the month was above that average. The infantile mortality rate, based on the actual number of births registered during the month, was 112 for the sixteen towns as a whole, and was highest in Dundee (179), in Motherwell (152), and in Aberdeen (143).

Deaths from the principal epidemic diseases numbered 225, and included 2 from enteric fever, 102 from measles, 10 from scarlet fever, 31 from whooping-cough, 27 from diphtheria, and 53 from the diarrhœas of childhood. These deaths collectively number 38 fewer than in the previous month, and 59 fewer than in May of last year.

Of the 22 deaths from small-pox, 20 were in Glasgow and 1 each in Dundee and in Coatbridge; of them 14 were of persons stated to have been vaccinated, and 8 of persons stated not to have been vaccinated. Of the 14 vaccinated persons all were aged over 20, 11 being aged 40 or over; while of the 8 unvaccinated, only 2 were over 20, while 6 were less than that age, 5 being children of 7 or less.

Deaths from pneumonia numbered 520, and those from bronchitis numbered 236. The former are 192 fewer than in the previous month, but are 258 more than in May of last year. The latter are 107 fewer than in the previous month, but are 70 more than in May of last year.

Deaths of which influenza was the sole named cause numbered 23, and those of which it was one of two or more named causes, 115, the total number being thus 138. This number is 140 less than in the previous month, but is 95 more than in May of last year.

Deaths from all forms of tuberculosis numbered 295, of which 204 were attributed to phthisis. The former are 65 fewer than in the previous month, and 31 fewer than in May of last year. The latter are 47 fewer than in the previous month, and 7 fewer than in May of last year.



# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

## MAY 1920.

Mean barometric pressure, 29·872 in.; less than the average of 1881–1915 by 0·076 in.

Mean temperature, 50°·6; greater by 0°·9.

Mean daily range of temperature, 13°·4; less by 1°·5.

Rain, number of days, 19; greater by 4 days.

Rain, depth in inches, 3·96; greater by 1·58 in.

Wind, direction of: a 6 days' excess of winds from between South and West.

Hence the month was characterised by a rather low mean pressure; a slightly high mean temperature, with a low mean daily range; an abnormally high mean rainfall; and an excess of south-westerly winds.

Pressure distribution was on the whole somewhat variable in type, deep "lows" moving on a north-easterly track on 2nd and on 12th, but after the middle of the month anticyclonic conditions were at times in evidence, especially in eastern districts. The mean for the month was 29·872 in., or 0·076 in. below the normal; at Leith, at sea-level, readings were above 30 in. on 4th and 5th, from 9th to 11th, on 14th and 15th, and from 20th to 26th; and the extremes at that place were 30·26 in. on morning of 23rd and 29·02 in. on evening of 18th.

Temperature was low at the beginning of the month (21° at Eskdalemuir on 1st); rather variable during the second and third weeks; and high during the fourth week, with maxima between 23rd and 26th (79° at Turnberry and Colmonell on 25th and at Ardtornish on 26th). Nearly everywhere the mean of the month was somewhat above the normal, though much below that for May 1918 or May 1919. As regards the chief towns the mean was 50°·6 or 0°·9 above the normal; the days were 0°·2 and the nights 1°·7 above their respective averages; and the extremes were 77° at Paisley on 24th and 30° at Perth on 1st.

From 1st to 8th rain fell on every day in nearly all except some eastern districts, and on 1st and 5th there were some heavy falls; around 12th and 17th conditions were again very disturbed; on 21st heavy falls occurred in west (1·15 in. at Greenock), and on 27th Aberdeen had as much as 1·40 in., or more than one-third of the month's rainfall, and Marchmont fully 1 in. Aggregates were below the normal in the Spey valley and along the southern fringe of the Moray Firth, but in most districts there was a well-defined excess, and this was very large in west and south. At Rothesay (6·97 in., or 230 per cent. of the normal) the month was the wettest May for at least 120 years; and at some places, *e.g.* Aberdeen and Cargen, a wetter May has been experienced during the last fifty years only in 1906. The mean for the chief towns was 3·96 in. or 166 per cent. of the normal.

A gale was general on 13th, with a noteworthy sandstorm on the southern shores of the Moray Firth.

Thunderstorms occurred at one or two points on 6th, 9th, 18th, 20th and 27th.

In eastern districts sunshine aggregates were above the normal, though from 26th to 29th fog and mist were experienced along the coast. In west the month was on the whole cloudy, though there were a few very sunny days.

Aurora was observed at Deerness on 2nd, and at Aberdeen and Eskdalemuir on 13th.

NOTE.—For meteorological table see p. 40.



TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, MAY 1920.

TOWNS.	POPULATION.		BIRTHS.						MARRIAGES.	DEATHS.				
	Census. 1911.	Estimated to middle of 1920.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	Males.		Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,115,500	1448	1423	2871	2639	232	750	906	740	1646	120	99	1625
EDINBURGH. . .	320,769	342,300	382	384	766	687	79	217	207	227	434	85	36	385
DUNDEE, . . .	176,085	189,000	263	217	480	440	40	90	153	140	293	5	5	293
ABERDEEN, . . .	163,891	167,700	231	215	446	392	54	132	115	98	213	19	19	213
PAISLEY, . . .	84,455	89,400	109	132	241	229	12	43	53	53	106	9	2	99
LEITH, . . .	80,601	84,700	103	95	198	190	8	27	43	42	85	3	22	104
GREENOCK, . . .	75,140	79,700	123	115	238	227	11	35	82	67	149	8	3	144
PERTH, . . .	35,854	36,600	39	37	76	69	7	24	19	11	30	4	1	27
TOTAL . . . (EIGHT TOWNS)	1,945,282	2,104,900	2698	2618	5316	4873	443	1318	1578	1378	2956	253	187	2890
COATBRIDGE, . .	43,290	44,500	62	51	113	102	11	18	33	22	55	1	7	61
MOTHERWELL . .	40,380	42,200	61	44	105	102	3	9	35	19	54	0	5	59
KIRKCALDY . . .	39,601	40,790	47	45	92	85	7	14	25	27	52	4	6	54
HAMILTON, . . .	38,644	39,500	56	47	103	99	4	17	27	12	39	3	8	44
CLYDEBANK, . .	37,548	48,800	65	54	119	114	5	13	22	21	43	0	20	63
KILMARNOCK, . .	34,728	37,800	52	38	90	87	3	11	23	17	40	11	3	32
FALKIRK, . . .	33,574	34,500	42	33	80	76	4	23	25	17	42	5	2	39
AYR, . . .	32,986	33,600	46	41	87	82	5	20	25	15	40	7	3	36
TOTAL . . . (SIXTEEN TOWNS)	2,246,033	2,426,500	3129	2976	6105	5620	485	1443	1793	1528	3321	284	241	3278

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, MAY 1920.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	30.4	8.1	7.9	17.4	17.2	1.4	1.4	1.0	4.6	319	119
EDINBURGH, . .	26.4	10.3	7.5	15.0	13.3	0.6	1.6	1.0	1.9	68	101
DUNDEE, . . .	30.0	8.3	5.6	18.3	18.3	1.2	1.5	1.3	6.6	86	209
ABERDEEN, . . .	31.4	12.1	9.3	15.0	15.0	0.8	1.5	1.1	2.7	64	161
PAISLEY, . . .	31.8	5.0	5.7	14.0	13.1	1.5	0.9	0.7	2.4	17	81
LEITH, . . .	27.6	4.0	3.8	11.8	14.5	0.3	1.7	1.1	1.7	16	84
GREENOCK, . . .	35.3	4.6	5.2	22.1	21.3	1.6	2.4	1.6	3.7	33	144
PERTH, . . .	24.5	9.2	7.7	9.7	8.7	0.6	1.0	0.3	2.6	5	76
TOTAL . . . (EIGHT TOWNS)	29.8	8.3	7.4	16.6	16.2	1.1	1.5	1.0	3.9	608	125
COATBRIDGE, . .	30.0	9.7	4.8	14.6	16.2	0.8	1.3	0.3	4.2	14	115
MOTHERWELL, . .	29.4	2.9	2.5	15.1	16.5	0.6	1.4	0.8	7.8	16	142
KIRKCALDY, . . .	26.7	7.6	4.1	15.1	15.7	0.3	0.3	0.0	2.9	11	120
HAMILTON, . . .	30.8	3.9	5.1	11.6	13.1	1.2	1.8	1.5	3.9	9	78
CLYDEBANK, . .	28.8	4.2	3.1	10.4	15.3	1.5	1.7	1.2	3.9	11	95
KILMARNOCK, . .	28.1	3.3	3.4	12.5	10.0	0.0	0.6	0.6	0.9	6	71
FALKIRK, . . .	27.4	5.0	7.9	14.4	13.3	1.0	1.4	0.7	3.1	5	64
AYR, . . .	30.5	5.7	7.0	14.0	12.6	0.4	1.4	0.7	1.8	5	64
TOTAL . . . (SIXTEEN TOWNS)	29.7	7.9	7.0	16.2	16.0	1.1	1.4	1.0	3.9	685	121

\* Based on the average number of births registered monthly during the past 12 months.



TABLE III.—BIRTH-RATE DEATH-RATE, ETC., FOR MAY 1920, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							* Infantile Mortality Rate.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
MAY 1920, .	29·7	7·9	7·0	16·0	2	22	102	10	31	27	53	121	50°·6
MAY 1919, .	20·1	8·5	7·0	12·9	2	0	106	7	120	21	28	106	52°·6
MAY 1918, .	21·8	8·7	4·9	15·2	7	0	140	8	125	28	30	116	52°·6
MAY 1917, .	21·5	8·1	4·7	16·4	3	0	277	16	257	27	43	128	49°·6
MAY 1916, .	27·2	6·9	5·7	15·3	1	0	133	26	56	22	35	110	49°·3
MAY 1915, .	25·3	6·7	6·2	17·5	2	0	235	30	215	31	50	132	48°·3
MAY 1914, .	27·1	6·6	3·4	15·2	5	0	104	21	72	22	42	105	50°·2
MAY 1913, .	27·6	6·6	3·5	16·5	9	0	148	22	169	34	71	116	50°·0
MAY 1912, .	28·4	7·4	3·1	15·7	7	0	125	14	57	22	53	107	51°·0
MAY 1911, .	29·7	7·4	4·5	17·5	7	1	50	17	186	16	33	134	53°·2
MAY 1910, .	29·6	7·6	4·6	16·7	3	0	134	20	36	14	43	111	49°·9

For all years up to and including 1911, figures are for Eight only of the Principal Towns.  
Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths  
\* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—May 1920.

CAUSES OF DEATH.	All Ages.	Age.											Age not stated.
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	
Enteric Fever - - - - -	2	-	-	-	-	-	1	1	-	-	-	-	-
Typhus Fever - - - - -	1	-	-	-	-	-	-	1	-	-	-	-	-
Small-pox - - - - -	22	1	3	1	-	2	1	5	6	3	-	-	-
Measles - - - - -	102	37	62	3	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	10	-	3	6	-	1	-	-	-	-	-	-	-
Whooping-cough - - - - -	31	19	12	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	27	6	15	5	-	-	1	-	-	-	-	-	-
* Influenza - - - - -	23	5	1	-	-	3	4	2	2	4	2	-	-
Erysipelas - - - - -	9	2	1	-	-	-	1	1	1	1	1	1	-
Phthisis, Pulmonary Tuberculosis - - - - -	204	1	8	5	5	47	48	39	29	14	7	1	-
Tuberculous Meningitis - - - - -	26	5	9	6	4	1	-	1	-	-	-	-	-
Abdominal Tuberculosis - - - - -	28	3	9	5	3	3	3	1	-	1	-	-	-
Other Tuberculous Diseases - - - - -	37	3	12	4	5	4	1	2	3	2	1	-	-
Cancer, Malignant Disease - - - - -	218	-	-	-	-	1	9	19	37	71	56	25	-
Rheumatic Fever - - - - -	9	-	-	1	2	2	2	1	-	1	-	-	-
Meningitis - - - - -	45	17	10	6	3	1	2	3	1	2	-	-	-
Organic Heart Disease - - - - -	283	3	1	1	6	15	12	26	36	59	61	63	-
Bronchitis - - - - -	236	46	12	1	-	2	4	12	17	50	67	35	-
Pneumonia (all forms) - - - - -	520	124	108	12	5	37	47	40	43	50	42	12	-
Other Diseases of Respiratory Organs - - - - -	36	11	2	1	2	2	-	2	4	4	4	4	-
Diarrhoea and Enteritis (under 2 years) - - - - -	53	50	3	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	15	-	-	2	2	1	3	1	1	5	-	-	-
All Liver Diseases (not Malignant) - - - - -	18	2	-	-	-	1	1	1	1	4	6	2	-
Other Diseases of Digestive System - - - - -	103	19	10	7	-	5	6	14	10	11	14	12	-
Nephritis and Bright's Disease - - - - -	106	1	1	1	1	5	5	14	27	19	23	9	-
Puerperal Sepsis - - - - -	12	-	-	-	-	1	6	5	-	-	-	-	-
Other Diseases & Accidents of Preg. & Parturition - - - - -	33	-	-	-	-	4	18	11	-	-	-	-	-
Congenital Debility and Malformation, including Premature Birth - - - - -	232	232	-	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	120	11	7	3	8	18	15	11	15	19	5	8	-
Suicide - - - - -	7	-	-	-	-	-	1	1	2	1	2	-	-
Other Defined Diseases - - - - -	651	74	17	4	7	19	15	45	70	116	132	152	-
Diseases Ill-defined or Unknown - - - - -	55	13	-	1	-	-	3	6	4	12	12	4	-
All Causes - - - - -	3279	685	306	75	53	175	209	265	309	449	425	328	-
Influenza—Contributory Cause - - - - -	115	7	9	3	-	9	22	18	18	19	9	1	-

\* Sole Cause specified, vide pp. 38-39.



## DEATHS IN EACH TOWN (corrected for Transfers)—May 1920.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	...	...	...	...	...	...	1	...
Typhus Fever ... ..	1	...	...	...	...	...	...	...
Small-pox ... ..	20	...	1	...	...	...	...	...
Measles ... ..	74	4	5	6	3	...	2	2
Scarlet Fever ... ..	5	1	...	...	...	...	...	...
Whooping-cough ... ..	13	...	2	1	4	1	6	...
Diphtheria and Croup ... ..	21	2	...	...	1	1	...	...
Influenza ( <i>Sole Cause specified</i> ) ... ..	9	1	1	2	2	...	2	...
Erysipelas ... ..	4	4	...	1	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	94	28	21	16	5	8	11	1
Tuberculous Meningitis ... ..	11	4	1	1	1	2	1	...
Abdominal Tuberculosis ... ..	14	3	...	1	...	2	2	1
Other Tuberculous Diseases ... ..	14	10	2	3	1	...	2	1
Cancer, Malignant Disease ... ..	97	31	19	19	8	11	11	2
Rheumatic Fever ... ..	4	1	...	...	...	1	1	...
Meningitis ... ..	30	...	3	...	...	1	4	...
Organic Heart Disease ... ..	111	51	28	18	14	18	13	3
Bronchitis ... ..	128	19	25	13	6	5	8	1
Pneumonia (all forms) ... ..	280	33	78	21	12	6	16	7
Other Diseases of Respiratory Organs ... ..	23	2	3	4	...	1	1	...
Diarrhoea and Enteritis (under 2 years) ... ..	18	11	12	4	3	...	2	...
Appendicitis and Typhlitis ... ..	7	3	...	1	...	2	...	...
All Liver Diseases (not Malignant) ... ..	12	3	1	...	...	...	...	...
Other Diseases of Digestive System ... ..	44	20	8	5	5	4	4	1
Nephritis and Bright's Disease ... ..	63	12	4	9	1	3	5	1
Puerperal Sepsis ... ..	9	...	...	...	1	...	1	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	13	5	...	3	2	2	5	...
Congenital Debility and Malformation, including Premature Birth ... ..	94	26	25	35	7	6	8	1
Violent Deaths, excluding Suicide ... ..	68	11	9	7	3	3	5	...
Suicide ... ..	2	4	...	1	...	...	...	...
Other Defined Diseases ... ..	307	96	42	39	18	27	28	6
Diseases Ill-defined or Unknown ... ..	35	...	3	3	2	...	5	...
All Causes ... ..	1625	385	293	213	99	104	144	27
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	68	3	4	5	1	...	2	1
AGE AT DEATH.								
Under 1 ... ..	319	68	86	64	17	16	33	5
1-4 ... ..	180	16	22	14	12	7	15	4
5-9 ... ..	41	9	8	1	1	2	...	...
10-14 ... ..	27	4	4	4	2	2	3	...
15-24 ... ..	89	16	17	9	6	7	8	2
25-34 ... ..	109	22	9	13	1	8	15	1
35-44 ... ..	137	38	22	12	10	6	9	1
45-54 ... ..	158	37	23	22	9	5	15	2
55-64 ... ..	236	46	37	31	18	12	21	3
65-74 ... ..	195	63	36	27	11	22	11	4
75 and over ... ..	134	66	29	16	12	17	14	5
Not stated ... ..	...	...	...	...	...	...	...	...
All Ages ... ..	1625	385	293	213	99	104	144	27



## DEATHS IN EACH TOWN (corrected for Transfers)—May 1920—continued.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	1	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	1	...	...	...	...	...	...	...
Measles ... ..	1	...	...	...	4	...	...	1
Scarlet Fever ... ..	1	...	...	...	...	...	3	...
Whooping-cough ... ..	...	1	...	2	1	...	...	...
Diphtheria and Croup ... ..	1	...	...	1	...	...	...	...
Influenza ( <i>Sole Cause specified</i> ) ... ..	2	1	...	...	2	1	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	1	3	...	5	5	2	2	2
Tuberculous Meningitis ... ..	1	1	...	1	2	...	...	...
Abdominal Tuberculosis ... ..	2	1	...	...	...	...	1	1
Other Tuberculous Diseases ... ..	1	...	1	...	...	...	1	1
Cancer, Malignant Disease ... ..	2	...	3	3	2	4	1	4
Rheumatic Fever ... ..	...	1	1	...	...	...	...	...
Meningitis ... ..	2	...	2	...	1	1	1	...
Organic Heart Disease ... ..	3	4	7	3	3	2	3	2
Bronchitis ... ..	6	8	6	4	2	1	2	2
Pneumonia (all forms) ... ..	10	20	3	9	13	2	7	3
Other Diseases of Respiratory Organs ... ..	...	...	1	...	1	...	...	...
Diarrhoea and Enteritis (under 2 years) ... ..	...	1	1	1	...	...	...	...
Appendicitis and Typhlitis ... ..	...	...	...	1	...	...	1	...
All Liver Diseases (not Malignant) ... ..	...	...	1	1	...	...	...	...
Other Diseases of Digestive System ... ..	5	2	2	2	4	...	2	...
Nephritis and Bright's Disease ... ..	...	...	3	1	1	...	1	2
Puerperal Sepsis ... ..	...	...	...	...	...	1	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	1	...	...	...	1	...	1	...
Congenital Debility and Malformation, including Premature Birth ... ..	3	4	4	1	7	4	3	4
Violent Deaths, excluding Suicide ... ..	2	2	3	1	1	2	2	1
Suicide ... ..	...	...	...	...	...	...	...	...
Other Defined Diseases ... ..	15	9	13	7	12	12	8	12
Diseases Ill-defined or Unknown ... ..	1	1	3	1	...	...	...	1
All Causes ... ..	61	59	54	44	63	32	39	36
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	4	15	1	4	6	...	...	1
AGE AT DEATH.								
Under 1 ... ..	14	16	11	9	11	6	5	5
1-4 ... ..	10	5	4	3	8	2	3	1
5-9 ... ..	2	2	2	1	1	...	3	2
10-14 ... ..	1	2	2	1	1	...	...	...
15-24 ... ..	...	4	1	4	7	1	4	...
25-34 ... ..	6	3	2	3	7	2	5	3
35-44 ... ..	2	4	5	6	2	5	2	4
45-54 ... ..	7	8	5	1	9	1	3	4
55-64 ... ..	9	8	4	3	7	6	5	2
65-74 ... ..	5	5	11	8	5	6	6	10
75 and over ... ..	5	2	7	5	5	3	3	5
Not stated ... ..	...	...	...	...	...	...	...	...
All Ages ... ..	61	59	54	44	63	32	39	36



## ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of MAY 1920.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.					HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	Mean at Station and 32°.		Mean of		Difference from Average			Mean at 9 A.M. and 9 P.M.		Total Fall.		Number of Days.	Number of Observations at 9 A.M. and 9 P.M.						Calm or Variable.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	feet.	inch.	°	°	°	°	°	°	°	°	°		°	°	°	°	°	°		°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°

North Latitude.—Glasgow, 55° 51'; Edinburgh, 56° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.  
West Longitude.—Glasgow, 4° 13'; Edinburgh, 8° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 8° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

\* At King's College at 7 A.M. and 6 P.M.

† At 9 A.M. only.

EDINBURGH: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

To be purchased from H.M. STATIONERY OFFICE (Scottish Branch), 23 Forth Street, Edinburgh.

Printed under the authority of HIS MAJESTY'S STATIONERY OFFICE  
By J. Skinner & Co., Ltd., 27 Thistle Street, Edinburgh.

Price 6d. net.



MONTHLY RETURN  
OF THE  
BIRTHS, DEATHS, AND MARRIAGES  
IN SIXTEEN OF THE PRINCIPAL TOWNS OF  
SCOTLAND.

---

JUNE 1920.

---

Published by Authority of the Registrar-General.

---

REPORT.

During the month of June 1920 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 5707 living children, of whom 2892 were male and 2815 female. The male children are 237 fewer than in the previous month, but 697 more than in June of last year. The female children are 161 fewer than in the previous month, but 835 more than in June of last year. The total children are 398 fewer than in the previous month, and 755 fewer than the mean of the numbers for the three preceding months, but are 1532 more than in June of last year.

The monthly birth-rate was 28·7 per thousand of the estimated aggregate population of these towns. It is 1·0 below that for the previous month, and 3·1 below the mean of the rates for the three preceding months, but is 7·7 above that for June of last year. In the individual towns this rate ranged from 34·0 in Hamilton, 33·2 in Coatbridge, and 31·9 in Greenock, to 19·7 in Perth, 22·5 in Kirkcaldy, and 22·7 in Edinburgh. In Motherwell it was 31·2; in Glasgow and in Falkirk, 30·8; in Aberdeen, 29·1; in Clydebank, 28·8; in Dundee, 27·8; in Leith and in Kilmarnock, 27·1; in Ayr, 26·8; and in Paisley, 25·9.

Of the 5707 children whose births were registered, 5239, or 91·8 per cent., were legitimate, and 468, or 8·2 per cent., were illegitimate. Compared with the returns for the previous month, the former are 381 fewer, and the latter are 17 fewer. Compared with the returns for June of last year the former are 1452 more, and the latter are 80 more. The illegitimate rate is 0·3 above that for the previous month, and 0·9 above the mean of the rates for the three preceding months, but is 1·1 below that for June of last year. In the individual towns this rate ranged from 11·8 in Edinburgh, 10·0 in Paisley, and 9·5 in Aberdeen, to 1·7 in Clydebank, 2·7 in Hamilton, and 3·3 in Coatbridge. In Glasgow it was 8·1, and in Dundee, 9·3.

Marriages registered numbered 3089. They are 1646 more than in the previous month, and 1098 more than the mean of the numbers for the three preceding months, but are 82 fewer than in June of last year. The equivalent annual marriage-rate is 15·5 per thousand. It is 8·5 above that for the previous month, and 5·7 above the mean of the rates for the three preceding months, but is 0·5 below that for June of



last year. In the individual towns this rate ranged from 18·3 in Edinburgh, 17·8 in Ayr, and 16·7 in Perth, to 7·1 in Coatbridge, 9·3 in Kirkcaldy, and 9·8 in Clydebank. In Glasgow it was 16·5; in Aberdeen, 16·4; in Kilmarnock, 16·1; in Hamilton, 15·1; in Motherwell, 13·9; in Falkirk, 13·8; in Greenock, 13·6; in Leith, 13·0; in Dundee, 12·8; and in Paisley, 11·5.

Deaths registered in these towns numbered 2534, 1259 being of males, and 1375 of females. These deaths include those of 269 persons with usual residence outwith the town of registration, but they do not include those of 187 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 82, falls to be deducted to get the corrected number, which is thus found to be 2452. This number is 827 less than in the previous month, and 1064 less than the mean of the numbers for the three preceding months, but is 156 more than that for June of last year.

The equivalent annual death-rate is 12·3 per thousand. It is 3·7 below that for the previous month, and 5·0 below the mean of the rates for the three preceding months, but is 0·7 above that for June of last year. In the individual towns this rate ranged from 15·7 in Hamilton, 14·9 in Paisley, and 13·7 in Perth, to 8·0 in Clydebank, 8·8 in Falkirk, and 9·1 in Ayr. In Glasgow it was 13·2; in Greenock, 12·7; in Kirkcaldy, 12·6; in Dundee, 12·1; in Motherwell, 11·6; in Coatbridge, 11·5; in Edinburgh, 11·4; in Leith, 11·1; in Aberdeen, 10·5; and in Kilmarnock, 9·7.

Deaths of children of less than one year old numbered 482. They are 203 fewer than in the previous month, and 267 fewer than the mean of the numbers for the three preceding months, but are 144 more than in June of last year. These deaths equal an infantile mortality rate of 86 per thousand of the average number of births registered in these towns during the preceding twelve months. This rate is 35 below that for the previous month, 52 below the mean of the rates for the three preceding months, and 2 below that for June of last year. In the individual towns this rate ranged from 133 in Hamilton, 100 in Glasgow, and 91 in Perth, to 36 in Kilmarnock, 49 in Coatbridge, and 50 in Aberdeen. In Leith it was 84; in Edinburgh, 83; in Dundee, 81; in Ayr, 78; in Greenock, 76; in Paisley, 74; in Kirkcaldy, 66; in Motherwell, 63; in Clydebank, 53; and in Falkirk, 51. Infantile mortality rates based on the actual number of births registered during the month, and not on the average for the preceding twelve months, are, for most of the towns, in general agreement with those quoted. The rate, based on the actual number of births, was 84 for the sixteen towns as a whole.

Deaths from the principal epidemic diseases numbered 160, and included 2 from enteric fever, 49 from measles, 8 from scarlet fever, 23 from whooping-cough, 24 from diphtheria, and 54 from the diarrhœas of childhood. These deaths collectively are 65 fewer than in the previous month, and 25 fewer than in June of last year. Compared with the number for the previous month, deaths from measles are 53 fewer.

Deaths from small-pox numbered 19, all of which were registered in Glasgow. Of those who died, 12 were stated to have been vaccinated, and 6 not to have been vaccinated, while in one case vaccination was doubtful. Of the 12 vaccinated persons all were aged 17 or over; while all the unvaccinated persons were children, the oldest being aged 6 years.

Deaths from pneumonia numbered 224, while those from bronchitis numbered 123. The former are 296 fewer than in the previous month, but 50 more than in June of last year. The latter are 113 fewer than in the previous month, but 14 more than in June of last year.

Deaths of which influenza was the sole named cause numbered 6, and those of which it was one of two or more named causes numbered 21, the total number being thus 27. The total number is 111 fewer than in the previous month, but 6 more than in June of last year.

Deaths from all forms of tuberculosis numbered 263, of which 174 were attributed to phthisis. The former are 32 fewer than in the previous month, and 16 fewer than in June of last year. The latter are 30 fewer than in the previous month, and 14 fewer than in June of last year.



# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

JUNE 1920.

Mean barometric pressure, 29·992 in.; greater than the average of 1881–1915 by 0·023 in.

Mean temperature, 55°·6; greater by 0°·2.

Mean daily range of temperature, 14°·9; less by 0°·4.

Rain, number of days, 11; less by 3 days.

Rain, depth in inches, 1·54; less by 0·66 in.

Wind, direction of: a 5 days' excess of winds from between North-East and South-East

Hence the month was characterised by a slightly high mean pressure; a mean temperature practically equal to the normal, with a slightly low mean daily range; a rather low mean rainfall; and a considerable excess of easterly winds.

From 3rd to 20th conditions were dominated by a high pressure system to the north of Scotland or partly covering our area, but thereafter conditions were in general of an unstable type. The mean pressure was slightly above the normal; at Leith, at sea-level, pressure was above 30 in. from 1st to 10th, 14th to 17th, 22nd to 24th, and on 26th; and the extremes at that place were 30·29 in. on morning of 4th and 29·56 in. on morning of 30th.

Temperature was moderate during the earlier part of the month; whilst towards the end there was considerable variability, with a drift of cold air from north on 27th. Around the third week there was a spell of very sunny weather, with the heat of the sun moderated by a light easterly wind, and temperature was decidedly above the normal, conspicuously so in west and south. The extreme range was large,—from 81° at Nairn on 18th to 27° at Braemar on 5th. As regards the chief towns the mean was 55°·6 or 0°·2 above the normal; the days were of average temperature, and the nights 0°·4 above the average; and the extremes were 78° at Leith on 19th and 36° at Dundee on 5th and at Perth on 4th, 5th, and 9th.

There were fairly heavy rains in the Moray Firth area on 1st and 2nd,—at Banff nearly the whole of the month's small total was accounted for on these two days; light rain here and there on 3rd; and on 11th as much as 1 in. at Whit-horn. But over a great part of Scotland there was no rain of importance until 18th, and at Grantown hardly any worth noting except on 27th when rain was general over Scotland, with heavy falls in the west,—as much as 1·72 in. at Kil-marnock. Aggregates were above the normal in Ayrshire and in Bute, but in general there was a shortage, moderate in west and south, but notable in various northern and eastern districts. At *e.g.* Stornoway, Grantown, Balmoral, and Marchmont (Berwickshire) amounts were only one-third or less of the normal; and at Grantown (0·51 in.) a drier June has occurred during the last forty years only in 1887 and 1889. At Edinburgh about half the month's rainfall was accounted for on 27th. The mean for the chief towns was 1·54 in. or 70 per cent. of the normal.

Wind force was in general very moderate.

Thunderstorms occurred in south-west on 12th; in west and south on 13th and 17th; and somewhat widely on 18th. No thunder was reported from northern and north-eastern districts.

Sunshine aggregates were much above the normal, especially towards the north, and the period from about 12th to 19th was brilliantly fine. At Deerness (Orkney) the aggregate (233 hours) was the largest in June for forty years, but more than half of it was accounted for between 12th and 19th.

During the third week destructive forest fires occurred in the valleys of the Dee and Spey and in some other northern districts.

NOTE.—For meteorological table see p. 48.



TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, JUNE 1920.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1920.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . . . .	1,008,487	1,115,500	1418	1402	2820	2592	228	1508	634	596	1230	99	72	1203
EDINBURGH. . . . .	320,769	342,300	338	300	638	563	75	513	177	191	368	83	35	320
DUNDEE, . . . . .	176,085	189,000	221	209	430	390	40	198	98	102	200	15	2	187
ABERDEEN, . . . . .	163,891	167,700	212	188	400	362	38	226	80	78	158	24	11	145
PAISLEY, . . . . .	84,455	89,400	101	89	190	171	19	84	54	59	113	11	7	109
LEITH, . . . . .	80,601	84,700	86	102	188	173	15	90	30	31	61	1	17	77
GREENOCK, . . . . .	75,140	79,700	85	123	208	197	11	89	40	48	88	7	2	83
PERTH, . . . . .	35,854	36,600	28	31	59	54	5	50	20	21	41	4	4	41
TOTAL . . . . . (EIGHT TOWNS)	1,945,282	2,104,900	2489	2444	4933	4502	431	2758	1133	1126	2259	244	150	2165
COATBRIDGE, . . . . .	43,290	44,500	61	60	121	117	4	26	16	22	38	0	4	42
MOTHERWELL . . . . .	40,380	42,200	59	49	108	102	6	48	17	19	36	0	4	40
KIRKCALDY . . . . .	39,601	40,700	39	36	75	69	6	31	20	17	37	0	5	42
HAMILTON, . . . . .	33,644	39,500	59	51	110	107	3	49	27	24	51	4	4	51
CLYDEBANK, . . . . .	37,548	48,800	59	56	115	113	2	39	9	13	22	0	10	32
KILMARNOCK, . . . . .	34,728	37,800	41	43	84	77	7	50	14	17	31	6	5	30
FALKIRK, . . . . .	33,574	34,500	43	44	87	83	4	39	13	15	28	6	3	25
AYR, . . . . .	32,986	33,600	42	32	74	69	5	49	10	22	32	9	2	25
TOTAL . . . . . (SIXTEEN TOWNS)	2,246,033	2,426,500	2892	2815	5707	5239	468	3089	1259	1275	2534	269	187	2452

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, JUNE 1920.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . . . .	30·8	8·1	16·5	13·5	13·2	1·0	1·4	1·0	2·3	267	100
EDINBURGH, . . . . .	22·7	11·8	18·3	13·1	11·4	0·5	1·4	0·8	1·4	55	83
DUNDEE, . . . . .	27·8	9·3	12·8	12·9	12·1	0·6	0·8	0·7	2·2	33	81
ABERDEEN, . . . . .	29·1	9·5	16·4	11·5	10·5	0·4	1·0	0·7	1·5	20	50
PAISLEY, . . . . .	25·9	10·0	11·5	15·4	14·9	1·5	1·1	0·7	3·1	15	74
LEITH, . . . . .	27·1	8·0	13·0	8·8	11·1	0·4	2·2	1·2	0·9	16	84
GREENOCK, . . . . .	31·9	5·3	13·6	13·5	12·7	0·5	1·1	0·6	1·5	17	76
PERTH, . . . . .	19·7	8·5	16·7	13·7	13·7	0·7	2·0	1·3	0·7	6	91
TOTAL . . . . . (EIGHT TOWNS)	28·6	8·7	16·0	13·1	12·5	0·8	1·4	0·9	2·0	429	89
COATBRIDGE, . . . . .	33·2	3·3	7·1	10·4	11·5	0·5	1·4	1·1	1·6	6	49
MOTHERWELL, . . . . .	31·2	5·6	13·9	10·4	11·6	1·2	1·4	0·9	1·2	7	63
KIRKCALDY, . . . . .	22·5	8·0	9·3	11·1	12·6	0·6	0·6	0·6	2·1	6	66
HAMILTON, . . . . .	34·0	2·7	15·1	15·7	15·7	1·5	0·6	0·3	1·2	15	133
CLYDEBANK, . . . . .	28·8	1·7	9·8	5·5	8·0	0·3	1·5	1·3	1·0	6	53
KILMARNOCK, . . . . .	27·1	8·3	16·1	10·0	9·7	0·3	2·3	1·6	1·0	3	36
FALKIRK, . . . . .	30·8	4·6	13·8	9·9	8·3	0·4	0·0	0·0	1·8	4	51
AYR, . . . . .	26·8	6·8	17·8	11·6	9·1	0·4	1·1	1·1	0·4	6	78
TOTAL . . . . . (SIXTEEN TOWNS)	28·7	8·2	15·5	12·7	12·3	0·8	1·3	0·9	1·9	482	86

\* Based on the average number of births registered monthly during the past 12 months.



TABLE III.—BIRTH-RATE DEATH-RATE, ETC., FOR JUNE 1920, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							* Infantile Mortality Rate.	Mean Temperature (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
JUNE 1920, .	28·7	9·5	15·5	12·3	2	19	49	8	23	24	54	86	55°·6
JUNE 1919, .	21·0	9·3	16·0	11·6	1	0	75	5	69	11	24	88	55°·4
JUNE 1918, .	20·1	9·5	10·0	11·0	3	0	69	5	60	25	31	81	54°·9
JUNE 1917, .	21·4	8·6	9·7	14·2	1	0	204	6	201	20	34	99	55°·5
JUNE 1916, .	25·0	7·6	10·1	13·0	6	0	90	24	29	28	44	82	52°·8
JUNE 1915, .	25·0	6·9	14·2	16·9	1	0	356	38	113	23	64	117	55°·8
JUNE 1914, .	29·8	7·5	14·1	15·2	6	0	60	24	74	22	61	109	56°·8
JUNE 1913, .	27·8	7·3	13·0	14·9	5	0	150	20	101	27	45	96	55°·7
JUNE 1912, .	25·4	7·3	12·3	14·0	3	0	128	15	54	19	57	104	54°·6
JUNE 1911, .	27·9	8·2	14·8	14·5	3	0	58	9	127	17	43	95	56°·2
JUNE 1910, .	28·9	7·2	14·1	15·4	4	0	56	20	38	20	64	101	55°·8

For all years up to and including 1911, figures are for Eight only of the Principal Towns.

Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths.

\* Per 1000 of the average number of births registered monthly during the past 12 months.

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—June 1920.

CAUSES OF DEATH.	All Ages.	Age.											Age not stated.
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	
Enteric Fever - - - - -	2	-	-	-	-	-	-	1	1	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	19	1	1	4	-	3	1	4	3	1	1	-	-
Measles - - - - -	49	23	25	-	-	1	-	-	-	-	-	-	-
Scarlet Fever - - - - -	8	-	3	2	1	2	-	-	-	-	-	-	-
Whooping-cough - - - - -	23	14	8	1	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	24	3	10	11	-	-	-	-	-	-	-	-	-
* Influenza - - - - -	6	-	-	-	-	1	-	-	-	1	2	2	-
Erysipelas - - - - -	13	3	-	-	-	1	-	-	-	5	2	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	174	2	8	4	8	43	32	34	28	9	6	-	-
Tuberculous Meningitis - - - - -	26	5	7	9	4	-	-	1	-	-	-	-	-
Abdominal Tuberculosis - - - - -	33	4	13	2	4	6	1	1	1	1	-	-	-
Other Tuberculous Diseases - - - - -	30	5	6	2	1	6	4	2	2	2	-	-	-
Cancer, Malignant Disease - - - - -	230	-	-	-	-	3	11	20	41	64	62	29	-
Rheumatic Fever - - - - -	8	-	-	1	3	1	-	1	2	-	-	-	-
Meningitis - - - - -	35	14	10	4	3	1	1	2	2	-	-	-	-
Organic Heart Disease - - - - -	219	1	1	-	1	12	10	13	29	51	70	31	-
Bronchitis - - - - -	123	16	4	2	-	-	4	6	6	21	35	29	-
Pneumonia (all forms) - - - - -	224	50	34	9	2	9	14	21	24	23	27	11	-
Other Diseases of Respiratory Organs - - - - -	33	4	2	-	-	2	-	1	5	11	5	3	-
Diarrhoea and Enteritis (under 2 years) - - - - -	54	53	1	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	7	-	-	1	-	2	-	2	5	4	3	1	-
All Liver Diseases (not Malignant) - - - - -	16	-	-	1	-	-	-	2	5	4	3	1	-
Other Diseases of Digestive System - - - - -	94	14	5	2	2	3	8	11	5	14	13	17	-
Nephritis and Bright's Disease - - - - -	67	-	3	1	2	3	4	8	14	19	10	3	-
Puerperal Sepsis - - - - -	6	-	-	-	-	2	2	2	-	-	-	-	-
Other Diseases & Accidents of Preg. & Parturition - - - - -	26	-	-	-	-	6	13	7	-	-	-	-	-
Congenital Debility and Malformation, including - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	-
Premature Birth - - - - -	208	205	-	-	-	1	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	79	4	11	3	4	10	3	10	12	7	8	7	-
Suicide - - - - -	9	-	-	-	-	1	-	2	1	4	1	-	-
Other Defined Diseases - - - - -	563	51	11	8	5	22	18	33	55	87	113	160	-
Diseases Ill-defined or Unknown - - - - -	46	10	2	-	1	-	1	5	5	8	8	6	-
All Causes - - - - -	2452	482	165	67	41	141	127	188	242	332	368	299	-
Influenza—Contributory Cause - - - - -	21	-	-	-	-	3	2	2	7	3	3	1	-

\* Sole Cause specified, vide pp. 46-47.



## DEATHS IN EACH TOWN (corrected for Transfers)— June 1920.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	2	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	19	...	...	...	...	...	...	...
Measles ... ..	33	...	1	2	10	1	...	1
Scarlet Fever ... ..	4	...	1	...	...	...	...	...
Whooping-cough ... ..	10	2	1	1	...	...	2	...
Diphtheria and Croup ... ..	8	8	2	1	...	1	1	...
Influenza ( <i>Sole Cause specified</i> ) ... ..	1	...	...	1	4	...	...	...
Erysipelas ... ..	9	1	...	2	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	87	23	11	9	5	8	4	4
Tuberculous Meningitis ... ..	17	3	...	...	...	3	1	2
Abdominal Tuberculosis ... ..	18	4	...	3	1	3	2	...
Other Tuberculous Diseases ... ..	10	8	2	2	2	1	...	...
Cancer, Malignant Disease ... ..	84	45	22	21	9	8	10	4
Rheumatic Fever ... ..	6	1	...	...	...	...	...	...
Meningitis ... ..	24	1	1	...	1	3	2	1
Organic Heart Disease ... ..	82	27	19	18	11	8	11	4
Bronchitis ... ..	58	16	12	9	11	2	3	2
Pneumonia (all forms) ... ..	137	16	19	10	12	4	5	...
Other Diseases of Respiratory Organs ... ..	17	6	3	2	...	...	2	...
Diarrhoea and Enteritis (under 2 years) ... ..	37	4	5	2	1	1	...	1
Appendicitis and Typhlitis ... ..	4	...	...	...	...	1	...	...
All Liver Diseases (not Malignant) ... ..	5	3	1	2	...	...	...	...
Other Diseases of Digestive System ... ..	43	11	7	5	4	2	6	4
Nephritis and Bright's Disease ... ..	35	16	6	...	3	...	3	...
Puerperal Sepsis ... ..	4	1	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	9	5	3	3	1	...	1	...
Congenital Debility and Malformation, including Premature Birth ... ..	103	21	18	6	7	11	12	1
Violent Deaths, excluding Suicide ... ..	42	9	6	4	3	1	1	1
Suicide ... ..	5	4	...	...	...	...	...	...
Other Defined Diseases ... ..	262	82	44	41	23	18	15	15
Diseases Ill-defined or Unknown ... ..	28	3	3	1	1	1	2	1
All Causes ... ..	1203	320	187	145	109	77	83	41
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	11	3	...	...	1	...	1	...
AGE AT DEATH.								
Under 1 ... ..	267	55	33	20	15	16	17	6
1-4 ... ..	86	14	10	7	17	6	7	5
5-9 ... ..	36	10	3	4	2	3	...	1
10-14 ... ..	22	2	3	2	1	3	1	...
15-24 ... ..	65	14	7	11	4	9	5	2
25-34 ... ..	54	14	9	7	5	1	8	1
35-44 ... ..	105	29	13	8	7	4	4	3
45-54 ... ..	128	28	23	11	7	6	9	2
55-64 ... ..	149	52	23	21	20	11	10	6
65-74 ... ..	158	56	31	31	20	12	15	8
75 and over ... ..	133	46	32	23	11	6	7	7
Not stated ... ..	...	...	...	...	...	...	...	...
All Ages ... ..	1203	320	187	145	109	77	83	41



## DEATHS IN EACH TOWN (corrected for Transfers)—June 1920—continued.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	...	...	1	...	...	...	...	...
Scarlet Fever ... ..	1	...	...	1	...	...	1	...
Whooping-cough ... ..	...	2	...	3	1	1	...	...
Diphtheria and Croup ... ..	...	1	1	...	...	...	...	1
Influenza ( <i>Sole Cause specified</i> )...	...	...	...	...	...	...	...	...
Erysipelas ... ..	...	...	...	...	1	...	...	...
Phthisis, Pulmonary Tuberculosis ...	4	3	2	1	5	5	...	3
Tuberculous Meningitis ... ..	...	...	...	...	...	...	...	...
Abdominal Tuberculosis ... ..	...	1	...	...	1	...	...	...
Other Tuberculous Diseases ... ..	1	1	...	1	...	2	...	...
Cancer, Malignant Disease ... ..	5	4	6	4	...	3	5	...
Rheumatic Fever ... ..	...	1	...	...	...	...	...	...
Meningitis ... ..	...	...	1	...	...	...	1	...
Organic Heart Disease ... ..	4	6	10	10	1	3	2	3
Bronchitis ... ..	1	3	2	2	...	1	1	...
Pneumonia (all forms) ... ..	4	1	4	2	4	2	3	1
Other Diseases of Respiratory Organs	1	...	1	...	...	...	1	...
Diarrhoea and Enteritis (under 2 years)	1	1	...	1	...	...	...	...
Appendicitis and Typhlitis ... ..	...	...	1	...	...	...	...	1
All Liver Diseases (not Malignant) ...	2	...	...	1	...	...	1	1
Other Diseases of Digestive System ...	2	1	2	...	4	1	...	2
Nephritis and Bright's Disease ... ..	...	1	2	1	...	...	...	...
Puerperal Sepsis ... ..	...	...	...	...	1	...	...	...
Other Diseases and Accidents of Preg- nancy and Parturition ... ..	...	1	...	1	1	...	...	1
Congenital Debility and Malformation, including Premature Birth ... ..	2	2	2	8	4	2	4	3
Violent Deaths, excluding Suicide ...	2	...	1	3	2	1	1	2
Suicide ... ..	...	...	...	...	...	...	...	...
Other Defined Diseases ... ..	10	10	5	12	6	8	5	7
Diseases Ill-defined or Unknown ... ..	2	1	1	...	1	1	...	...
All Causes ... ..	42	40	42	51	32	30	25	25
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	2	...	1	...	2	...	...	...
AGE AT DEATH.								
Under 1 ... ..	6	7	6	15	6	3	4	6
1-4 ... ..	2	3	1	1	3	2	1	...
5-9 ... ..	...	1	2	1	...	1	2	1
10-14 ... ..	...	1	2	1	1	...	...	2
15-24 ... ..	3	3	2	2	8	2	1	3
25-34 ... ..	6	2	5	6	3	3	1	2
35-44 ... ..	4	1	3	1	1	1	3	1
45-54 ... ..	5	4	2	6	2	5	2	2
55-64 ... ..	8	6	6	7	2	4	5	2
65-74 ... ..	4	5	8	7	3	5	2	3
75 and over ... ..	4	7	5	4	3	4	4	3
Not stated ... ..	...	...	...	...	...	...	...	...
All Ages ... ..	42	40	42	51	32	30	25	25



ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of JUNE 1920.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.								HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
			Mean of				Difference from Average				Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	Maximum (A).		Minimum (B.)		Mean of A and B (Mean Temperature).		Day of Month.		Minimum.		Day of Month.		Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	Total Fall.		Difference from Average.		Number of Observations at 9 A.M. and 9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
	feet.	inch.	inch.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.  
West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.



MONTHLY RETURN  
OF THE  
BIRTHS, DEATHS, AND MARRIAGES  
IN SIXTEEN OF THE PRINCIPAL TOWNS OF  
SCOTLAND.

---

JULY 1920.

---

Published by Authority of the Registrar-General.

---

REPORT.

During the month of July 1920 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 5547 living children, of whom 2820 were male, and 2727 were female. The male children of the month number 72 fewer than in the previous month, but 653 more than in the corresponding month of last year. The female children number 88 fewer than in the previous month, but 703 more than in the corresponding month of last year. The total children registered number 160 fewer than in the previous month, and 528 fewer than the mean of the numbers for the three preceding months, April to June, but 1356 more than in July of last year.

The monthly birth-rate was 27·0 per thousand of the estimated aggregate population of the sixteen towns. This rate is 1·7 less than that of the previous month, and 3·2 less than the mean of those of the three preceding months, but is 6·6 more than that of July of last year. In the individual towns the monthly birth rate varied from 33·9 in Greenock, 31·6 in Coatbridge, and 31·4 in Hamilton, to 20·7 in Perth, 23·0 in Edinburgh, and 23·6 in Dundee. In Aberdeen this rate was 30·9; in Clydebank, 29·5; in Ayr, 28·4; in Glasgow, 27·7; in Kirkcaldy, 27·6; in Motherwell, 27·1; in Kilmarnock, 26·8; in Falkirk, 26·0; in Paisley, 25·6; and in Leith, 24·9.

Of the total children registered, 5115, or 92·2 per cent., were legitimate, while 432, or 7·8 per cent., were illegitimate. Compared with the returns of June, the monthly number of legitimate children is 124 less, and that of illegitimate children is 36 less. Compared with the mean of the numbers of the three preceding months, that of legitimate children is 495 less, and that of illegitimate children is 33 less. Compared with the number in July of last year, the legitimate children of the month number 1296 more, and the illegitimate children 60 more. The illegitimate rate is 0·4 less than that of the previous month, and 1·1 less than that of July of last year, but is 0·1 more than the mean of those of the three preceding months. In the individual towns the monthly illegitimate rate varied from 14·8 per cent. in Ayr, 12·3 in Aberdeen, 10·9 in Perth, and 10·5 in Falkirk, to 2·5 in Clydebank, 2·9 in Hamilton, 3·4 in Leith, and 3·5 in Greenock. In Glasgow this rate was 7·5; in Edinburgh, 9·6; and in Dundee, 9·5.



Marriages registered during the month numbered 3440. This number is 351 more than that of the previous month, 1104 more than the mean of those of the three preceding months, and 137 more than that of July of last year. This is the largest number of marriages registered in any month since January 1912, the first month in which these sixteen towns were dealt with in these reports collectively.

The monthly marriage-rate was 16·7 per thousand. It is the highest collective marriage-rate for these sixteen towns yet recorded. It is 1·2 more than that of the previous month, 5·1 more than the mean of those of the three preceding months, and 0·6 more than that of July of last year, which previously was the highest on record. In the individual towns the monthly marriage-rate varied from 22·0 per thousand in Dundee, 19·4 in Edinburgh, and 16·8 in Kirkcaldy, to 8·8 in Ayr, 11·0 in Greenock, and 11·8 in Leith. In Coatbridge this rate was 16·7; in Glasgow, 16·6; in Paisley, 16·5; in Motherwell, 16·5; in Falkirk, 16·4; in Aberdeen, 15·6; in Hamilton, 15·5; in Clydebank, 15·5; in Perth, 14·2; and in Kilmarnock, 12·8.

Deaths registered in these towns during the month numbered 2359, 1214 being of males, and 1145 of females. These deaths included 251 of non-residents, but excluded those of 229 residents dying elsewhere in Scotland, and the difference, 22, falls to be deducted to get the corrected monthly number, which is thus found to be 2337. This number is 115 less than that of June, and 795 less than the mean of those of the three months April to June, but is 147 more than that of July of last year.

The monthly death-rate, corrected, was 11·4 per thousand. This rate is 0·9 less than that of the previous month, and 4·2 less than the mean of those of the three preceding months, but is 0·7 more than that of July of last year. In the individual towns this rate varied from 14·7 in Ayr, 13·0 in Leith, and 12·2 in Kilmarnock, to 8·9 in Motherwell, 9·2 in Falkirk, 9·6 in Hamilton, and 9·7 in Clydebank. In Greenock this rate was 12·0; in Glasgow, 11·7; in Kirkcaldy, 11·6; in Edinburgh, 11·0; in Dundee, 11·0; in Coatbridge, 10·9; in Aberdeen, 10·8; in Paisley, 10·8; and in Perth, 10·6.

Deaths of children of less than one year old numbered 419. This number is 62 less than that of the previous month, and 233 less than the mean of those of the three preceding months, but is 110 more than that of July of last year. These deaths equal an infantile mortality rate of 71 per thousand of the average number of births registered monthly during the preceding twelve months, which rate is 15 less than that of the previous month, 47 less than the mean of those of the three preceding months, and 7 less than that of July of last year. It is the lowest monthly infantile mortality rate yet recorded for these sixteen towns. In the individual towns this rate varied from 101 in Perth, 99 in Ayr, and 90 in Leith, to 33 in Kilmarnock, 34 in Greenock, and 39 in Coatbridge. In Dundee this rate was 88; in Paisley, 84; in Motherwell, 78; in Glasgow, 73; in Edinburgh, 70; in Clydebank, 67; in Aberdeen, 66; in Falkirk, 61; in Hamilton, 59; and in Kirkcaldy, 42.

Deaths from the principal epidemic diseases numbered 120, and included 5 from enteric fever, 19 from measles, 7 from scarlet fever, 15 from whooping-cough, 15 from diphtheria, and 59 from the diarrhoeas of childhood. These deaths collectively are 40 fewer than in the previous month, 96 less than the mean of the numbers of the three preceding months, and 40 less than in July of last year.

Deaths from small-pox numbered 30, 29 occurring in Glasgow and 1 in Clydebank. These deaths outnumber those of the previous month by 11. Of the 30 persons who died from small-pox, 15 are stated to have been vaccinated, and 15 not to have been vaccinated. All of the former were persons aged over 25, and all of the latter were children aged under 15. The total number of deaths from this cause registered in these towns since the commencement of the year is now 80.

Deaths from pneumonia numbered 163, and those from bronchitis numbered 88. The former are 61 fewer than in the previous month, and 1 fewer than in July of last year. The latter are 35 fewer than in the previous month, and 1 fewer than in July of last year.

Deaths of which influenza was the sole named cause numbered 4, and those of which influenza was one of two or more named causes, 11, the total deaths attributable to influenza numbering 15. This total is 12 less than in June, and 4 less than in July of last year.



Deaths from all forms of tuberculous disease numbered 253, 177 of them being attributed to phthisis. The total deaths from tuberculous disease are 10 fewer than in June, but 6 more than in July of last year, while those from phthisis are 3 more than in June, and 19 more than in July of last year.

## METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

### JULY 1920.

Mean barometric pressure, 29·782 in.; less than the average of 1881–1915 by 0·118 in.

Mean temperature, 55°·8; less by 2°·2.

Mean daily range of temperature, 11°·8; less by 2°·7.

Rain, number of days, 23; greater by 7 days.

Rain, depth in inches, 3·50; greater by 0·53 in.

Wind, direction of: a 4 days' excess of winds from South-West.

Hence the month was characterised by a decidedly low mean pressure; an abnormally low mean temperature, with an abnormally low mean daily range; a rather high mean rainfall; and an excess of south-westerly winds.

Conditions were of a persistently unstable type, and there were but few days on which pressure reached the normal. The mean for the month was decidedly deficient; at Leith, at sea-level, readings were above 30 in. only on 4th and 19th; and the extremes at that place were 30·20 in. on morning of 4th and 29·39 in. on morning of 23rd.

The month was marked by an almost entire absence of seasonable warmth, especially during the first two weeks or so; judged by its mean temperature it was the coldest July since 1902; and during the last sixty years an appreciably colder July has occurred in Scotland only in 1888. The nights, indeed, with cloudy skies restricting terrestrial radiation, often approached a normal temperature, but the days were, for the most part, very cold, and only two or three stations reached 70°. Lowest readings occurred very generally on 4th or 7th (30° at Braemar on 4th), and highest around 5th and 20th. The absolute maximum was 72° at Paisley (on 4th and 5th), and during the last sixty years at any rate the thermometer has always reached some higher level in Scotland in the month of July. As regards the chief towns the mean was 55°·8 or 2°·2 below the normal; the days were 3°·5 and the nights 0°·8 below their respective averages; and the lowest reading was 37° at Perth on 4th. The low mean daily range was a notable feature of the month, and the mean temperature of the month hardly showed any advance on that for June.

Except towards the north rain was general on 1st and 2nd,—as much as 1·54 in. at Leith on 2nd, or considerably more than had fallen at that place during the entire month of June; and from 5th onwards there were many “rain days” in nearly all districts, though on some of them amounts were small. There were considerable falls towards north-east on 5th and 6th, somewhat generally around 9th, and towards north-west on 14th. On one or two days in various districts, and on 26th in the west, there were somewhat intense falls of short duration during thunderstorms. Relatively to the normal aggregates varied greatly. Thus, in the extreme north and in parts of some eastern counties there was a shortage, but elsewhere an excess of varying amount—about 50 per cent. in the Edinburgh area and at, *e.g.*, Cargen, near Dumfries. In the wetter areas the month was more notable for persistence of precipitation than for heavy individual falls. The mean for the chief towns was 3·50 in. or 118 per cent. of the normal.

Wind force was in general very moderate.

Thunderstorms occurred in the Border counties on 2nd; rather widely on 8th and 9th; in Orkney on 15th; towards south-east on 18th; and in west and south on 26th. No thunder was reported from north-eastern districts.

The month was cloudy or very cloudy except in the far north. In various districts sunshine aggregates were hardly more than half of those recorded in June.

NOTE.—For meteorological table see p. 56.



TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, JULY 1920.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1920.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,003,487	1,115,500	1355	1263	2618	2422	196	1566	599	510	1109	82	80	1107
EDINBURGH. . .	320,769	342,300	324	342	666	602	64	562	180	182	362	83	39	318
DUNDEE, . . .	176,085	189,000	189	188	377	341	36	352	79	91	170	5	11	176
ABERDEEN, . . .	163,891	167,700	217	222	439	385	54	222	88	74	162	25	17	154
PAISLEY, . . .	84,455	89,400	95	99	194	183	11	125	44	40	84	6	4	82
LEITH, . . .	80,601	84,700	89	90	179	173	6	85	37	31	68	2	27	93
GREENOCK, . . .	75,140	79,700	120	109	229	221	8	74	37	46	83	6	4	81
PERTH, . . .	35,854	36,600	36	28	64	57	7	44	14	23	37	6	2	33
TOTAL . . . (EIGHT TOWNS)	1,945,282	2,104,900	2425	2341	4766	4384	382	3030	1078	997	2075	215	184	2044
COATBRIDGE, . .	43,290	44,500	58	61	119	113	6	63	21	17	38	1	4	41
MOTHERWELL . .	40,380	42,200	54	43	97	92	5	59	15	13	28	0	4	32
KIRKCALDY . . .	39,601	40,700	46	49	95	88	7	58	15	25	40	2	2	40
HAMILTON, . . .	33,644	39,500	59	46	105	102	3	52	13	15	28	3	7	32
CLYDEBANK, . .	37,548	48,800	61	61	122	119	3	64	13	13	26	0	14	40
KILMARNOCK, . .	34,728	37,800	43	43	86	80	6	41	17	20	37	5	7	39
FALKIRK, . . .	33,574	34,500	35	41	76	68	8	48	20	14	34	11	4	27
AYR, . . .	32,986	33,600	39	42	81	69	12	25	22	31	53	14	3	42
TOTAL . . . (SIXTEEN TOWNS)	2,246,033	2,426,500	2820	2727	5547	5115	432	3440	1214	1145	2359	251	229	2337

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, JULY 1920.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	27·7	7·5	16·6	11·7	11·7	0·7	1·4	1·1	1·7	204	73
EDINBURGH. . .	23·0	9·6	19·4	12·5	11·0	0·3	1·0	0·6	1·1	49	70
DUNDEE, . . .	23·6	9·5	22·0	10·6	11·0	0·7	1·6	0·7	0·6	33	33
ABERDEEN, . . .	30·9	12·3	15·6	11·4	10·8	0·4	0·9	0·7	1·1	23	66
PAISLEY, . . .	25·6	5·7	16·5	11·1	10·8	1·1	1·3	0·8	1·3	18	34
LEITH, . . .	24·9	3·4	11·8	9·5	13·0	0·3	1·7	1·0	1·1	18	90
GREENOCK, . . .	33·9	3·5	11·0	12·3	12·0	0·3	0·9	0·6	1·8	8	34
PERTH, . . .	20·7	10·9	14·2	11·9	10·6	1·0	0·3	0·3	0·3	7	101
TOTAL . . . (EIGHT TOWNS)	26·7	8·0	17·0	11·6	11·5	0·6	1·3	0·9	1·4	370	73
COATBRIDGE, . .	31·6	5·0	16·7	10·1	10·9	0·3	1·1	1·1	1·3	5	39
MOTHERWELL, . .	27·1	5·2	16·5	7·8	8·9	0·3	0·8	0·3	2·2	9	78
KIRKCALDY, . . .	27·6	7·4	16·8	11·6	11·6	0·6	0·9	0·6	0·6	4	42
HAMILTON, . . .	31·4	2·9	15·5	8·4	9·6	0·9	1·2	0·6	1·2	7	59
CLYDEBANK, . . .	29·5	2·5	15·5	6·3	9·7	0·7	1·2	1·0	1·7	8	67
KILMARNOCK, . .	26·8	7·0	12·8	11·6	12·2	0·9	1·9	0·9	1·6	3	33
FALKIRK, . . .	26·0	10·5	16·4	11·6	9·2	0·3	0·7	0·7	0·7	5	61
AYR, . . .	28·4	14·8	8·8	18·6	14·7	0·7	0·4	0·4	2·5	8	99
TOTAL . . . (SIXTEEN TOWNS)	27·0	7·8	16·7	11·5	11·4	0·6	1·2	0·9	1·4	419	71

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE DEATH-RATE, ETC., FOR JULY 1920, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							*Infantile Mortality Rate.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
JULY 1920, .	27·0	7·8	16·7	11·4	5	30	19	7	15	15	59	71	55°·8
JULY 1919, .	20·4	8·9	16·1	10·7	3	0	48	4	53	20	32	78	57°·0
JULY 1918, .	21·3	9·5	11·9	15·1	10	0	44	9	72	27	42	85	57°·8
JULY 1917, .	20·4	8·1	10·0	12·8	2	0	121	9	141	14	42	83	59°·1
JULY 1916, .	23·7	7·1	9·7	12·2	6	0	66	26	25	20	46	72	58°·0
JULY 1915, .	23·0	6·2	13·7	14·1	4	0	229	46	62	34	78	106	57°·3
JULY 1914, .	27·5	6·2	12·7	13·2	9	0	41	21	49	15	86	91	58°·9
JULY 1913, .	26·7	6·8	13·5	13·8	3	0	109	19	62	18	81	86	58°·3
JULY 1912, .	28·0	7·4	14·2	14·2	6	0	54	14	62	24	111	105	58°·1
JULY 1911, .	25·1	8·4	13·2	14·5	6	2	43	17	73	26	91	107	60°·6
JULY 1910, .	25·7	7·6	12·2	13·0	11	0	23	19	30	28	56	88	56°·7

For all years up to and including 1911, figures are for Eight only of the Principal Towns.

Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths

\* Per 1000 of the average number of births registered monthly during the past 12 months.

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—July 1920.

CAUSES OF DEATH.	All Ages.	Age.											Age not stated.
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	
Enteric Fever - - - - -	5	-	-	-	1	1	2	1	-	-	-	-	-
Typhus Fever - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	-
Small-pox - - - - -	30	6	5	3	1	-	3	2	6	2	2	-	-
Measles - - - - -	19	7	10	2	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	7	-	4	2	-	1	-	-	-	-	-	-	-
Whooping-cough - - - - -	15	12	3	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	15	1	10	4	-	-	-	-	-	-	-	-	-
*Influenza - - - - -	4	-	-	-	-	-	1	-	1	-	1	1	-
Erysipelas - - - - -	3	-	-	-	-	-	-	-	1	-	1	1	-
Phthisis, Pulmonary Tuberculosis - - - - -	177	-	5	1	5	47	43	36	28	8	4	-	-
Tuberculous Meningitis - - - - -	30	8	12	5	2	2	1	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	16	1	6	4	1	1	3	-	-	-	-	-	-
Other Tuberculous Diseases - - - - -	30	1	8	-	2	6	2	3	4	2	1	1	-
Cancer, Malignant Disease - - - - -	234	-	-	-	-	-	7	20	42	68	69	28	-
Rheumatic Fever - - - - -	10	-	-	3	-	2	2	1	1	-	1	-	-
Meningitis - - - - -	21	9	7	1	1	1	2	-	-	-	-	-	-
Organic Heart Disease - - - - -	243	1	1	1	1	8	10	20	27	58	60	56	-
Bronchitis - - - - -	88	10	3	-	-	1	-	3	8	19	25	19	-
Pneumonia (all forms) - - - - -	163	35	28	1	3	13	14	7	14	20	15	13	-
Other Diseases of Respiratory Organs - - - - -	35	3	2	-	-	-	1	3	6	8	8	4	-
Diarrhoea and Enteritis (under 2 years) - - - - -	59	54	5	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	18	-	1	1	3	5	-	1	6	1	-	-	-
All Liver Diseases (not Malignant) - - - - -	17	-	-	-	-	-	1	1	3	3	5	4	-
Other Diseases of Digestive System - - - - -	79	9	7	2	-	4	4	9	10	13	12	9	-
Nephritis and Bright's Disease - - - - -	80	1	2	-	1	3	7	4	19	20	19	4	-
Puerperal Sepsis - - - - -	9	-	-	-	-	2	5	2	-	-	-	-	-
Other Diseases & Accidents of Preg. & Parturition - - - - -	14	-	-	-	-	2	10	2	-	-	-	-	-
Congenital Debility and Malformation, including - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	-
Premature Birth - - - - -	194	194	-	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	110	5	18	8	4	12	10	11	15	16	6	5	-
Suicide - - - - -	11	-	-	-	-	-	3	2	1	2	2	1	-
Other Defined Diseases - - - - -	546	52	9	3	6	16	18	41	64	87	120	130	-
Diseases Ill-defined or Unknown - - - - -	55	10	3	-	2	-	-	2	9	16	9	4	-
All Causes - - - - -	2337	419	149	41	33	127	149	171	265	343	360	280	-
Influenza—Contributory Cause - - - - -	11	-	-	-	-	3	2	1	1	2	1	1	-

\* Sole Cause specified, vide pp. 54-55.



## DEATHS IN EACH TOWN (corrected for Transfers)—July 1920.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	2	...	...	1	...	...	...	2
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	29	...	...	...	...	...	...	...
Measles ... ..	13	1	...	1	3	...	1	...
Scarlet Fever ... ..	4	...	...	...	1	...	...	...
Whooping-cough ... ..	8	...	3	...	...	...	...	...
Diphtheria and Croup ... ..	5	5	1	1	1	...	...	1
Influenza ( <i>Sole Cause specified</i> ) ... ..	1	1	...	...	...	...	1	...
Erysipelas ... ..	1	1	1	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	100	18	12	10	6	7	4	1
Tuberculous Meningitis ... ..	12	5	3	2	2	3	1	...
Abdominal Tuberculosis ... ..	6	...	5	...	...	2	1	...
Other Tuberculous Diseases ... ..	12	5	5	1	2	...	...	...
Cancer, Malignant Disease ... ..	101	30	23	23	9	8	7	4
Rheumatic Fever ... ..	3	2	...	1	...	...	2	1
Meningitis ... ..	12	1	...	2	...	1	3	1
Organic Heart Disease ... ..	90	47	18	15	9	15	10	3
Bronchitis ... ..	45	10	4	6	3	4	2	1
Pneumonia (all forms) ... ..	93	17	6	7	6	2	9	...
Other Diseases of Respiratory Organs ... ..	20	4	...	3	1	2	1	...
Diarrhoea and Enteritis (under 2 years) ... ..	32	2	8	2	3	2	1	...
Appendicitis and Typhlitis ... ..	9	1	1	2	1	1	1	...
All Liver Diseases (not Malignant) ... ..	7	1	1	2	...	1	1	...
Other Diseases of Digestive System ... ..	33	14	7	8	2	4	2	2
Nephritis and Bright's Disease ... ..	47	11	4	4	2	2	1	...
Puerperal Sepsis ... ..	5	3	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	7	1	4	...	...	...	...	...
Congenital Debility and Malformation, including Premature Birth ... ..	76	26	18	16	10	12	8	4
Violent Deaths, excluding Suicide ... ..	57	12	5	6	5	6	5	2
Suicide ... ..	5	3	1	1	...	1	...	...
Other Defined Diseases ... ..	247	92	39	38	14	19	18	11
Diseases Ill-defined or Unknown ... ..	25	5	7	2	2	1	2	...
All Causes ... ..	1107	318	176	154	82	93	81	33
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	4	2	1	...	...	...	...	...
AGE AT DEATH.								
Under 1 ... ..	204	49	38	28	18	18	8	7
1- 4 ... ..	79	11	10	5	12	4	15	1
5- 9 ... ..	18	3	3	5	2	3	...	1
10-14 ... ..	15	2	3	...	2	1	3	2
15-24 ... ..	61	15	13	13	3	4	2	1
25-34 ... ..	78	17	12	11	3	5	1	1
35-44 ... ..	98	14	9	8	9	2	10	1
45-54 ... ..	133	38	19	15	8	13	6	1
55-64 ... ..	166	42	25	19	9	15	10	6
65-74 ... ..	164	56	17	30	9	15	15	5
75 and over ... ..	91	71	27	20	7	13	11	7
Not stated ... ..	...	...	...	...	...	...	...	...
All Ages ... ..	1107	318	176	154	82	93	81	33

## DEATHS IN EACH TOWN (corrected for Transfers)—July 1920—continued.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	1	...	...	...
Measles ... ..	...	...	...	...	...	...	...	...
Scarlet Fever ... ..	1	...	...	...	...	...	1	...
Whooping-cough ... ..	...	...	...	2	2	...	...	...
Diphtheria and Croup ... ..	...	...	...	...	...	1	...	...
Influenza ( <i>Sole Cause specified</i> ) ... ..	...	...	1	...	...	...	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	4	1	2	2	4	3	2	1
Tuberculous Meningitis ... ..	...	...	...	1	...	1	...	...
Abdominal Tuberculosis ... ..	...	1	...	...	1	...	...	...
Other Tuberculous Diseases ... ..	...	1	1	1	...	2	...	...
Cancer, Malignant Disease ... ..	4	3	5	4	2	3	3	5
Rheumatic Fever ... ..	...	...	1	...	...	...	...	...
Meningitis ... ..	...	...	...	...	...	...	1	...
Organic Heart Disease ... ..	6	...	9	6	7	1	6	1
Bronchitis ... ..	2	4	...	1	3	...	...	3
Pneumonia (all forms) ... ..	3	3	2	3	4	3	2	3
Other Diseases of Respiratory Organs ... ..	...	1	...	...	...	2	...	1
Diarrhoea and Enteritis (under 2 years) ... ..	...	1	2	1	1	2	...	2
Appendicitis and Typhlitis ... ..	...	...	...	1	...	...	...	1
All Liver Diseases (not Malignant) ... ..	1	...	2	...	...	...	...	1
Other Diseases of Digestive System ... ..	1	...	2	...	2	1	1	...
Nephritis and Bright's Disease ... ..	...	1	...	1	...	2	...	5
Puerperal Sepsis ... ..	...	...	...	1	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	...	...	...	...	...	1	...	1
Congenital Debility and Malformation, including Premature Birth ... ..	5	4	1	3	3	...	3	5
Violent Deaths, excluding Suicide ... ..	3	3	...	...	4	1	1	...
Suicide ... ..	...	...	...	...	...	...	...	...
Other Defined Diseases ... ..	8	7	10	5	6	13	7	12
Diseases Ill-defined or Unknown ... ..	3	2	2	...	...	3	...	1
All Causes ... ..	41	32	40	32	40	39	27	42
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	...	...	1	...	3	...	...	...
AGE AT DEATH.								
Under 1 ... ..	5	9	4	7	8	3	5	8
1-4 ... ..	...	...	1	3	3	3	1	1
5-9 ... ..	2	1	...	...	1	1	1	...
10-14 ... ..	...	2	1	...	...	...	2	...
15-24 ... ..	2	1	4	2	1	2	...	3
25-34 ... ..	1	1	2	2	4	4	4	3
35-44 ... ..	2	...	2	4	4	5	1	2
45-54 ... ..	7	3	1	2	6	3	5	5
55-64 ... ..	10	8	7	6	5	7	2	6
65-74 ... ..	9	4	12	4	4	7	3	6
75 and over ... ..	3	3	6	2	4	4	3	8
Not stated ... ..	...	...	...	...	...	...	...	...
All Ages ... ..	41	32	40	32	40	39	27	42



## ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of JULY 1920.

OBSERVERS.	Height of Station above Sea-level.	BARO-METER.		AIR TEMPERATURE.								HYGROMETER.				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
		Mean at Station and 32°.	Mean at Sea-Level and 32°.	Mean of	Absolute Maximum and Minimum.				Mean of A and B (Mean Tem- perature).	Difference from Average	Mean at 9 A.M. and 9 P.M.				Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
					Maximum (A).	Minimum (B.)	Day of Month.	Minimum.			Day of Month.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.				Humidity.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
GLASGOW, JAMES CONNELL, The Observatory.	134	29.593	29.793	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 28'; Mean, 56° 11'.  
West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

EDINBURGH: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

To be purchased from H.M. STATIONERY OFFICE (Scottish Branch), 23 Forth Street, Edinburgh.

Printed under the authority of HIS MAJESTY'S STATIONERY OFFICE  
By J. Skinner & Co., Ltd., 27 Thistle Street, Edinburgh.

Price 6d. net.

**MONTHLY RETURN**  
**OF THE**  
**BIRTHS, DEATHS, AND MARRIAGES**  
**IN SIXTEEN OF THE PRINCIPAL TOWNS OF**  
**SCOTLAND.**

---

**AUGUST 1920.**

---

**Published by Authority of the Registrar-General.**

---

**REPORT.**

During the month of August 1920 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the Census of 1911 had populations of over 30,000, the births of 5312 living children, of whom 2677 were male, and 2635 female. The male children number 143 fewer than in the previous month, but are 580 more than in August of last year. The female children number 92 fewer than in the previous month, but are 599 more than in August of last year. The total children number 235 fewer than in the previous month, and 474 fewer than the mean of the numbers for the three preceding months, but are 1179 more than in August of last year.

The monthly birth-rate was 25·8 per thousand of the estimated aggregate population of the sixteen towns. This rate is 1·2 below that for the previous month, and 2·7 below the mean of the rates for the three preceding months, but is 5·7 above that for August of last year. In the individual towns the monthly birth-rate ranged from 29·7 in Coatbridge, and 29·6 in Greenock and in Hamilton, to 20·3 in Perth, 22·1 in Ayr, and 22·5 in Clydebank. In Kilmarnock it was 27·8; in Glasgow, 27·0; in Kirkcaldy, 26·7; in Aberdeen, 26·6; in Motherwell, 25·7; in Falkirk, 25·3; in Dundee, 24·6; in Leith, 23·7; in Edinburgh, 23·2; and in Paisley, 22·8.

Of the total children whose births were registered, 4836, or 91·0 per cent., were legitimate, and 476, or 9·0 per cent., were illegitimate. Compared with the returns for the previous month the legitimate births number 279 fewer, but the illegitimate 44 more. Compared with the mean of the numbers for the three preceding months, the legitimate births are 488 fewer, but the illegitimate births are 14 more. Compared with the numbers for August of last year, the legitimate births are 1100 more, and the illegitimate births are 79 more. The illegitimate rate is 1·2 above that for the previous month, and 1·0 above the mean of the rates for the three preceding months, but is 0·6 below that for August of last year. In the individual towns the monthly illegitimate rate ranged from 13·8 in Edinburgh, 11·9 in Aberdeen, and 11·1 in Perth, to 3·3 in Kirkcaldy, 4·0 in Greenock, and 4·3 in Clydebank. In Glasgow this rate was 8·6, and in Dundee, 10·9.

Marriages registered during the month numbered 2042. This number is 1398



below that for the previous month, and 615 below the mean of the numbers for the three preceding months, but is 96 above that for August of last year. The monthly marriage-rate is 9.9 per thousand. It is 6.8 below that for the previous month, and 3.2 below the mean of the rates for the three preceding months, but is 0.4 above that for August of last year. In the individual towns this rate ranged from 13.6 in Edinburgh and in Perth, and 12.5 in Aberdeen, to 1.4 in Motherwell, 3.6 in Clydebank, and 5.1 in Hamilton. In Ayr it was 11.6; in Glasgow and in Leith, 10.4; in Falkirk, 9.9; in Paisley, 9.0; in Greenock, 7.7; in Dundee, 5.9; in Kirkcaldy, 5.8; and in Coatbridge and in Kilmarnock, 5.6.

Deaths registered in these towns during the month numbered 2347, 1238 being of males and 1109 of females. These deaths included 276 of non-residents, but did not include those of 223 residents in these towns who died elsewhere in Scotland, and the difference, 53, falls to be deducted to get the corrected number, which is thus found to be 2294. This number is 43 less than in the previous month, and 395 less than the mean of the numbers for the three preceding months, but is 259 more than in August of last year.

The monthly death-rate, corrected, was 11.2 per thousand. This rate is 0.2 below that for the previous month, and 2.0 below the mean of the rates for the three preceding months, but is 1.3 above that for August of last year. In the individual towns this rate ranged from 14.1 in Coatbridge, 13.9 in Kirkcaldy, and 13.4 in Leith, to 6.8 in Clydebank, 7.7 in Perth, and 8.4 in Kilmarnock. In Greenock it was 12.2; in Glasgow, 11.9; in Falkirk, 10.9; in Edinburgh, 10.8; in Ayr, 10.5; in Paisley, 10.2; in Dundee, 9.9; in Aberdeen and in Motherwell, 9.8; and in Hamilton, 9.0.

Deaths of children of less than one year old numbered 416. This number is 3 less than in the previous month, and 112 less than the mean of the numbers for the three preceding months, but is 66 more than in August of last year. These deaths equal an infantile mortality rate of 69 per thousand of the average number of births registered monthly during the preceding twelve months, which rate is 2 below that for the previous month, 24 below the mean of the rates for the three preceding months, and 19 below that for August of last year. It is thus even lower than the rate for July of this year, which was the lowest recorded up to that date for these sixteen towns. In the individual towns this rate ranged from 111 in Kirkcaldy, 96 in Motherwell, and 79 in Glasgow, to 0 in Falkirk, 9 in Hamilton, and 17 in Clydebank. In Ayr it was 75; in Aberdeen, 73; in Greenock, 71; in Coatbridge, 70; in Leith, 69; in Paisley, 65; in Dundee, 63; in Edinburgh, 58; in Perth, 42; and in Kilmarnock, 22.

Deaths from the principal epidemic diseases numbered 149, and included 3 from enteric fever, 6 from measles, 11 from scarlet fever, 26 from whooping-cough, 18 from diphtheria, and 85 from the diarrhoeas of childhood. These deaths collectively number 29 more than in the previous month, but are 19 fewer than the mean of the numbers for the three preceding months, and 38 fewer than in August of last year.

Deaths from small-pox numbered 13, all of which occurred in Glasgow. They number 17 fewer than in the previous month. Ten of these deaths were of persons stated to have been vaccinated, while 3 were of persons stated not to have been vaccinated. All of the former were adults, being with one exception aged upwards of 45 years, while 2 of the latter were aged under 2 years. The total number of deaths registered in these towns since the commencement of this epidemic is now 93.

Deaths from pneumonia numbered 150, and those from bronchitis numbered 81. The former are 13 fewer than in the previous month, but are 40 more than in August of last year. The latter are 7 fewer than in the previous month, but 8 more than in August of last year.

Deaths of which influenza was the sole named cause numbered 4, and those of which it was named as one of two or more causes numbered 5, the total being thus 9. This total is 6 less than in the previous month, and 1 less than in August of last year.

Deaths from all forms of tuberculosis numbered 239, of which 163 were attributed to phthisis. The former are 14 fewer than in the previous month, but are 28 more than in August of last year. The latter are 14 fewer than in the previous month, but are 29 more than in August of last year.



# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

## AUGUST 1920.

Mean barometric pressure, 30·020 in. ; greater than the average of 1881–1915 by 0·161 in.

Mean temperature, 55°·5 ; less by 1°·8.

Mean daily range of temperature, 12°·5 ; less by 1°·5.

Rain, number of days, 14 ; less by 4 days.

Rain, depth in inches, 4·71 ; greater by 1·09 in.

Wind, direction of : a 2 days' excess of winds from North-West.

Hence the month was characterised by an abnormally high mean pressure ; a low mean temperature, with a low mean daily range ; a rather high mean rainfall ; and an excess of north-westerly winds.

During the first three weeks pressure distribution was rather unstable, though fluctuations were moderate, and on 17th–18th a depression of moderate depth, but accompanied by excessive rainfall, moved from the north of Ireland slowly on an easterly track. Towards the end of the month anticyclonic conditions prevailed. The mean pressure was unusually high ; at Leith, at sea-level, readings were above 30 in. on 7th, from 10th to 16th, and from 20th to 31st ; and the extremes at that place were 30·52 in. on evening of 28th and 29·35 in. on morning of 5th.

Temperature was very low during the first week and moderate during the second, whilst the passage of the depression of 17th–18th was followed by a shift of the wind to the north and a rapid fall of temperature. Thus at Aberdeen the maximum on 16th was 74°, but on 17th only 52°. In general there were but few warm days, and the month was the coldest August since 1912. Temperature ranged from 76° at Crathes on 16th to 31° at Braemar on 26th. As regards the chief towns the mean was 55°·5 or 1°·8 below the normal ; the days were 2°·6 and the nights 1°·1 below their respective averages ; and the extremes were 74° at Aberdeen on 16th and at Perth on 27th, and 36° at Paisley on 20th.

From 1st to 5th rain was more or less general, with more than 1 in. at places in west and south on 4th. On 8th there were very heavy falls within a short period on the Pentland Hills,—as much as 2·15 in. at Cockburn Hill (Balerno) within three hours ; and on 9th heavy local thunder rains occurred. A short spell of fine weather followed, but on 16th heavy rain fell in the north-west, and on 17th abnormally heavy falls were experienced over wide areas to the south of the Grampians. Cockburn Hill (Balerno) registered 3·78 in. within twenty-four hours ; Paisley, Edinburgh and West Linton fully 3 in. ; and various places at least 2 in. In extreme south-west and south amounts were comparatively small. This notable rainstorm was followed by dry weather in most districts until late on 31st, when conditions once more became unsettled. Relatively to the normal the number of "rain days" was small, and aggregates varied greatly. The Forth-Clyde belt showed a considerable excess ; but elsewhere, *e.g.*, Kirkwall had only 41 per cent., Aberdeen 73 and Dumfries 82 per cent. of the normal. The mean for the chief towns was 4·71 in. or 130 per cent. of the normal.

Wind force was in general very moderate.

Thunderstorms occurred locally on 2nd, with destructive results at points in north-east ; on 3rd and on 9th. Disastrous flooding occurred in the Lothians and Peeblesshire on 8th and 9th, and very widely on 17th and 18th.

Sunshine amounts were in general below the normal.

An aurora was observed at Eskdalemuir on 16th.

NOTE.—For meteorological table see p. 64.



TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, AUGUST 1920.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1920.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,115,500	1268	1279	2547	2329	218	980	614	507	1121	96	96	1121
EDINBURGH. . .	320,769	342,300	311	362	673	580	93	395	167	190	357	85	42	314
DUNDEE, . . .	176,085	189,000	211	183	394	351	43	95	71	90	161	8	5	158
ABERDEEN, . .	163,891	167,700	209	169	378	333	45	177	85	67	152	28	15	139
PAISLEY, . . .	84,455	89,400	88	85	173	165	8	68	40	38	78	6	5	77
LEITH, . . . .	80,601	84,700	82	88	170	159	11	75	50	24	74	4	28	96
GREENOCK, . .	75,140	79,700	114	86	200	192	8	52	47	35	82	2	2	82
PERTH, . . . .	35,854	36,600	30	33	63	56	7	42	9	27	36	12	0	24
TOTAL . (EIGHT TOWNS)	1,945,282	2,104,900	2313	2235	4548	4165	433	1884	1083	978	2061	241	191	2011
COATBRIDGE, .	43,290	44,500	53	59	112	105	7	21	28	24	52	3	4	53
MOTHERWELL .	40,380	42,200	53	39	92	86	6	5	18	16	34	2	3	35
KIRKCALDY . .	39,601	40,700	47	45	92	89	3	20	26	21	47	2	3	48
HAMILTON, . .	38,644	39,500	54	45	99	90	9	17	18	11	29	4	5	30
CLYDEBANK, .	37,548	48,800	38	55	93	89	4	15	10	11	21	1	8	28
KILMARNOCK, .	34,728	37,800	50	39	89	84	5	18	21	13	34	9	2	27
FALKIRK, . . .	33,574	34,500	41	33	74	70	4	29	20	14	34	6	4	32
AYR, . . . . .	32,986	33,600	28	35	63	58	5	33	14	21	35	8	3	30
TOTAL . . . . (SIXTEEN TOWNS)	2,246,033	2,426,500	2677	2635	5312	4836	476	2042	1238	1109	2347	276	223	2294

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, AUGUST 1920.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, .	27·0	8·6	10·4	11·9	11·9	0·9	1·3	0·9	1·6	224	79
EDINBURGH, .	23·2	13·8	13·6	12·3	10·8	0·3	0·8	0·7	0·8	42	58
DUNDEE, .	24·6	10·9	5·9	10·1	9·9	0·6	0·4	0·4	1·1	28	63
ABERDEEN, .	26·6	11·9	12·5	10·7	9·8	0·5	0·9	0·8	0·8	32	73
PAISLEY, .	22·8	4·6	9·0	10·3	10·2	0·9	1·3	1·1	0·5	14	65
LEITH, .	23·7	6·5	10·4	10·3	13·4	0·7	2·0	1·1	1·4	14	69
GREENOCK, .	29·6	4·0	7·7	12·2	12·2	0·6	2·2	1·3	1·5	17	71
PERTH, .	20·3	11·1	13·6	11·6	7·7	0·0	0·3	0·3	1·0	3	42
TOTAL . (EIGHT TOWNS)	25·8	9·4	10·6	11·6	11·3	0·7	1·2	0·8	1·3	374	72
COATBRIDGE, .	29·7	6·3	5·6	13·8	14·1	1·1	1·9	0·5	1·9	9	70
MOTHERWELL, .	25·7	6·5	1·4	9·5	9·8	2·0	0·8	0·8	0·8	11	96
KIRKCALDY, .	26·7	3·3	5·8	13·6	13·9	0·6	1·2	0·9	1·2	11	111
HAMILTON, .	29·6	9·1	5·1	8·7	9·0	0·3	0·9	0·0	0·9	1	9
CLYDEBANK, .	22·5	4·3	3·6	5·1	6·8	0·5	0·7	0·5	0·5	2	17
KILMARNOCK, .	27·8	5·6	5·6	10·6	8·4	0·0	1·2	0·6	0·6	2	22
FALKIRK, .	25·3	5·4	9·9	11·6	10·9	1·4	2·1	1·7	1·7	0	0
AYR, .	22·1	7·9	11·6	12·3	10·5	0·7	1·1	0·7	1·1	6	75
TOTAL . (SIXTEEN TOWNS)	25·8	9·0	9·9	11·4	11·2	0·7	1·2	0·8	1·3	416	69

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE DEATH-RATE, ETC., FOR AUGUST 1920, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							* Infantile Mortality Rate.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
AUG. 1920, .	25·8	9·0	9·9	11·2	3	13	6	11	26	18	85	69	55°·5
AUG. 1919, .	20·1	9·6	9·5	9·9	5	0	23	8	21	26	104	88	57°·6
AUG. 1918, .	19·1	9·8	7·8	10·3	3	0	10	5	44	23	129	89	58°·5
AUG. 1917, .	18·6	8·9	7·0	11·1	0	0	38	5	57	13	161	93	58°·8
AUG. 1916, .	23·0	7·8	7·8	12·2	5	0	29	19	25	17	158	95	58°·9
AUG. 1915, .	22·1	6·8	9·3	13·0	8	0	111	53	31	27	129	94	58°·1
AUG. 1914, .	25·3	7·3	7·7	13·7	19	0	19	26	62	32	231	114	58°·6
AUG. 1913, .	24·0	6·8	6·2	13·3	4	0	65	17	42	31	215	112	58°·1
AUG. 1912, .	24·7	7·3	6·2	12·3	3	0	30	13	62	26	116	90	53°·6
AUG. 1911, .	24·9	6·9	7·1	15·1	8	2	32	7	41	18	290	157	60°·7
AUG. 1910, .	26·0	7·9	6·8	15·0	7	0	12	20	35	22	179	126	58°·1

For all years up to and including 1911, figures are for Eight only of the Principal Towns.

Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths

\* Per 1000 of the average number of births registered monthly during the past 12 months.

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—August 1920.

CAUSES OF DEATH.	All Ages.	Age.											Age not stated.
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	
Enteric Fever - - - - -	3	-	-	-	-	1	-	1	1	-	-	-	-
Typhus Fever - - - - -	2	-	-	-	-	-	-	1	1	-	-	-	-
Small-pox - - - - -	13	1	1	-	-	1	-	-	8	2	-	-	-
Measles - - - - -	6	3	3	-	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	11	1	5	1	1	2	-	1	-	-	-	-	-
Whooping-cough - - - - -	26	9	13	3	1	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	18	5	7	3	1	1	1	-	-	-	-	-	-
Influenza - - - - -	4	-	1	-	-	-	-	-	-	-	2	1	-
Erysipelas - - - - -	6	1	-	-	-	-	-	-	-	-	-	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	163	2	2	3	6	39	32	30	32	12	2	3	-
Tuberculous Meningitis - - - - -	23	6	7	3	2	3	2	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	22	4	2	3	2	4	5	-	-	2	-	-	-
Other Tuberculous Diseases - - - - -	31	1	4	3	2	4	6	2	5	3	-	1	-
Cancer, Malignant Disease - - - - -	208	1	1	-	-	-	6	17	42	59	50	32	-
Rheumatic Fever - - - - -	6	-	-	-	2	1	1	-	1	-	-	1	-
Meningitis - - - - -	34	11	15	1	1	2	2	1	1	-	-	-	-
Organic Heart Disease - - - - -	249	3	-	-	3	7	15	11	40	46	88	36	-
Bronchitis - - - - -	81	11	-	2	-	2	1	3	5	21	20	16	-
Pneumonia (all forms) - - - - -	150	27	18	-	2	10	12	12	21	20	19	9	-
Other Diseases of Respiratory Organs - - - - -	33	3	1	-	-	-	1	6	6	6	7	3	-
Diarrhoea and Enteritis (under 2 years) - - - - -	85	78	7	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	15	-	1	3	3	3	1	-	1	-	-	-	-
All Liver Diseases (not Malignant) - - - - -	15	-	-	-	-	2	1	1	2	3	5	1	-
Other Diseases of Digestive System - - - - -	101	19	12	4	-	9	3	10	14	16	6	8	-
Nephritis and Bright's Disease - - - - -	80	2	1	-	2	3	6	5	13	17	23	8	-
Puerperal Sepsis - - - - -	10	-	-	-	-	3	6	1	-	-	-	-	-
Other Diseases & Accidents of Preg. & Parturition - - - - -	21	-	-	-	-	-	13	8	-	-	-	-	-
Congenital Debility and Malformation, including													
Premature Birth - - - - -	176	176	-	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	114	6	15	6	5	9	13	12	19	13	6	9	1
Suicide - - - - -	7	-	-	-	-	-	3	2	1	-	-	1	-
Other Defined Diseases - - - - -	532	38	5	4	2	15	16	42	54	101	117	138	-
Diseases Ill-defined or Unknown - - - - -	49	8	1	-	1	-	2	1	10	13	6	7	-
All Causes - - - - -	2294	416	122	39	36	121	152	169	278	335	351	274	1
Influenza—Contributory Cause - - - - -	5	-	-	-	1	1	-	-	1	1	1	-	-

\* Sole Cause specified, vide pp. 62-63.



## DEATHS IN EACH TOWN (corrected for Transfers)—August 1920.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	2	1	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	2	...	...	...
Small-pox ... ..	13	...	...	...	...	...	...	...
Measles ... ..	6	...	...	...	...	...	...	...
Scarlet Fever ... ..	4	3	1	...	1	...	...	...
Whooping-cough ... ..	14	...	2	1	1	...	4	...
Diphtheria and Croup ... ..	5	3	1	1	2	...	...	...
Influenza ( <i>Sole Cause specified</i> ) ... ..	1	1	...	...	...	...	1	...
Erysipelas ... ..	4	2	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	81	19	7	11	8	8	9	1
Tuberculous Meningitis ... ..	12	...	...	1	1	3	2	...
Abdominal Tuberculosis ... ..	11	1	...	...	...	1	2	...
Other Tuberculous Diseases ... ..	19	3	...	1	1	2	2	...
Cancer, Malignant Disease ... ..	87	41	13	10	7	10	7	2
Rheumatic Fever ... ..	4	...	1	...	...	...	...	...
Meningitis ... ..	23	1	1	1	1	...	3	...
Organic Heart Disease ... ..	95	49	23	16	14	12	6	4
Bronchitis ... ..	42	9	4	6	1	2	4	2
Pneumonia (all forms) ... ..	89	14	14	4	2	6	5	1
Other Diseases of Respiratory Organs ... ..	23	1	...	2	1	2	1	...
Diarrhoea and Enteritis (under 2 years) ... ..	54	3	5	5	3	5	...	...
Appendicitis and Typhlitis ... ..	8	2	1	1	...	...	1	...
All Liver Diseases (not Malignant) ... ..	8	1	3	...	1	1	...	...
Other Diseases of Digestive System ... ..	51	11	6	10	3	3	5	...
Nephritis and Bright's Disease ... ..	40	7	3	9	2	7	1	...
Puerperal Sepsis ... ..	9	...	...	...	...	...	...	1
Other Diseases and Accidents of Pregnancy and Parturition ... ..	8	4	1	...	2	1	1	...
Congenital Debility and Malformation, including Premature Birth ... ..	84	18	12	15	6	7	10	3
Violent Deaths, excluding Suicide ... ..	56	13	9	6	5	9	3	...
Suicide ... ..	1	1	...	...	1	2	...	...
Other Defined Diseases ... ..	246	104	46	34	11	15	14	9
Diseases Ill-defined or Unknown ... ..	21	2	5	5	1	...	1	1
<b>All Causes ...</b>	<b>1121</b>	<b>314</b>	<b>158</b>	<b>139</b>	<b>77</b>	<b>96</b>	<b>82</b>	<b>24</b>
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	<i>1</i>	<i>1</i>	<i>...</i>	<i>...</i>	<i>...</i>	<i>1</i>	<i>...</i>	<i>...</i>
<b>AGE AT DEATH.</b>								
Under 1 ... ..	224	42	28	32	14	14	17	3
1- 4 ... ..	70	2	2	7	4	3	9	...
5- 9 ... ..	17	4	2	2	1	2	4	...
10-14 ... ..	22	3	1	2	...	1	1	...
15-24 ... ..	59	9	11	8	5	5	5	2
25-34 ... ..	72	24	11	11	7	10	6	1
35-44 ... ..	85	30	10	10	2	8	3	1
45-54 ... ..	143	29	16	14	11	16	11	2
55-64 ... ..	174	54	18	12	11	11	7	4
65-74 ... ..	155	59	28	16	16	16	13	7
75 and over ... ..	100	58	31	25	6	10	6	4
Not stated ... ..	...	...	...	...	...	...	...	...
<b>All Ages ...</b>	<b>1121</b>	<b>314</b>	<b>158</b>	<b>139</b>	<b>77</b>	<b>96</b>	<b>82</b>	<b>24</b>

## DEATHS IN EACH TOWN (corrected for Transfers)—August 1920—continued.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	...	...	...	...	...	...	...	...
Scarlet Fever ... ..	...	...	1	...	...	...	1	...
Whooping-cough ... ..	1	...	...	1	2	...	...	...
Diphtheria and Croup ... ..	1	1	1	...	...	...	3	...
Influenza ( <i>Sole Cause specified</i> ) ... ..	...	...	1	...	...	...	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	2	3	3	...	2	2	5	2
Tuberculous Meningitis ... ..	...	...	1	2	1	...	...	...
Abdominal Tuberculosis ... ..	3	...	...	1	...	1	1	1
Other Tuberculous Diseases ... ..	2	...	...	...	...	1	...	...
Cancer, Malignant Disease ... ..	3	3	5	4	3	4	5	4
Rheumatic Fever ... ..	...	...	...	1	...	...	...	...
Meningitis ... ..	1	1	...	...	...	1	...	1
Organic Heart Disease ... ..	5	3	5	6	3	4	2	2
Bronchitis ... ..	2	3	2	2	...	1	1	...
Pneumonia (all forms) ... ..	4	...	1	1	2	1	4	2
Other Diseases of Respiratory Organs ... ..	1	...	1	...	...	...	...	1
Diarrhoea and Enteritis (under 2 years) ... ..	2	6	...	...	...	...	...	2
Appendicitis and Typhlitis ... ..	1	...	1	...	...	...	...	...
All Liver Diseases (not Malignant) ... ..	...	...	...	1	...	...	...	...
Other Diseases of Digestive System ... ..	2	1	3	1	3	2	...	...
Nephritis and Bright's Disease ... ..	...	2	1	...	3	2	2	1
Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	1	...	...	...	...	2	1	...
Congenital Debility and Malformation, including Premature Birth ... ..	5	2	8	1	...	1	...	4
Violent Deaths, excluding Suicide ... ..	2	...	1	1	3	2	2	2
Suicide ... ..	...	...	...	2	...	...	...	...
Other Defined Diseases ... ..	9	10	13	4	5	2	4	6
Diseases Ill-defined or Unknown ... ..	6	...	...	2	1	1	1	2
All Causes ... ..	53	35	48	30	28	27	32	30
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	...	...	1	...	...	...	...	1
AGE AT DEATH.								
Under 1 ... ..	9	11	11	1	2	2	...	6
1-4 ... ..	10	2	1	2	5	1	4	...
5-9 ... ..	1	...	1	2	1	...	1	1
10-14 ... ..	1	...	...	1	1	2	1	...
15-24 ... ..	1	1	4	...	1	3	3	4
25-34 ... ..	1	2	3	1	...	1	2	...
35-44 ... ..	3	2	1	3	1	3	3	4
45-54 ... ..	4	6	4	6	8	4	4	...
55-64 ... ..	9	4	3	6	4	6	7	5
65-74 ... ..	6	5	10	5	2	4	4	5
75 and over ... ..	8	2	10	3	3	1	3	4
Not stated ... ..	...	...	...	...	...	...	...	1
All Ages ... ..	53	35	48	30	28	27	32	30



ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of AUGUST 1920.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.							HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	Mean at Station and 32°.	Mean at Sea-Level and 32°.	Maximum (A).	Minimum (B.)	Mean of	Difference from Average	Absolute Maximum and Minimum.				Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.						Calm or Variable.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
							Maximum	Day of Month.	Minimum.	Day of Month.								N	NE	E	SE	S	SW		W	NW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
feet.	inch.	inch.	°	°	°	°	°	°	°	°	°	°	per cent.	inch.	inch.	inch.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.  
West Longitude.—Glasgow, 4° 13'; Edinburgh, 2° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

MONTHLY RETURN  
OF THE  
BIRTHS, DEATHS, AND MARRIAGES  
IN SIXTEEN OF THE PRINCIPAL TOWNS OF  
SCOTLAND.

---

SEPTEMBER 1920.

---

Published by Authority of the Registrar-General.

---

REPORT.

During the month of September 1920 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the Census of 1911 had populations of over 30,000, the births of 4970 living children, of whom 2554 were male, and 2416 female. The male children number 123 fewer than in the previous month, but 176 more than in September of last year. The female children number 219 fewer than in the previous month, but 224 more than in September of last year. The total children number 342 fewer than in the previous month, and 552 fewer than the mean of the numbers for the three preceding months, but are 400 more than in September of last year.

The monthly birth-rate was 25·0 of the estimated aggregate population of these towns. This rate is 0·8 below that for the previous month, and 2·2 below the mean of the rates for the three preceding months, but is 2·0 above that for September of last year. In March of this year the birth-rate reached 33·4, the highest birth-rate yet recorded for these towns, that is, since January 1912, but since then it has shown a constant decline. In the individual towns this rate ranged from 32·4 in Hamilton, 30·4 in Coatbridge, and 29·7 in Greenock, to 19·3 in Perth, 20·3 in Kilmarnock, 21·2 in Falkirk, and 21·7 in Edinburgh. In Kirkcaldy it was 28·2; in Leith, 26·5; in Glasgow, 25·9; in Motherwell, 25·7; in Paisley, 25·0; in Ayr, 24·7; in Clydebank, 24·3; in Dundee, 23·8; and in Aberdeen, 23·3.

Of the total children whose births were registered, 4598, or 92·5 per cent., were legitimate, and 372, or 7·5 per cent., were illegitimate. Compared with the returns for the previous month the legitimate births are 238 fewer, and the illegitimate are 104 fewer. Compared with the mean of the numbers for the three preceding months, the legitimate births are 465 fewer, and the illegitimate are 87 fewer. Compared with the numbers for September of last year, the legitimate births are 412 more, but the illegitimate births are 12 fewer. The illegitimate rate is 1·5 below that for the previous month, 0·8 below the mean of the rates for the three preceding months, and 0·9 below that for September of last year. In the individual towns this rate ranged from 10·5 in Hamilton, 10·3 in Edinburgh, and 9·4 in Aberdeen, to 0 in Motherwell, 1·8 in Coatbridge, and 3·3 in Falkirk. In Glasgow it was 7·6, and in Dundee, 9·0.

Marriages registered during the month numbered 2395. They are 353 more than in the previous month, but are 462 fewer than the mean of the numbers for the



three preceding months, and 64 fewer than in the corresponding month of last year. The monthly marriage-rate is 12·0 per thousand. It is 2·1 above that for the previous month, but is 2·0 below the mean of the rates for the three preceding months, and 0·4 below that for September of last year. In the individual towns this rate ranged from 21·8 in Ayr, 14·8 in Falkirk, and 14·7 in Edinburgh, to 4·8 in Clydebank, 6·6 in Kirkcaldy, and 7·1 in Coatbridge and in Kilmarnock. In Aberdeen it was 13·4; in Glasgow, 12·8; in Perth, 12·3; in Hamilton, 11·1; in Leith, 10·5; in Greenock, 10·4; in Motherwell, 9·8; in Paisley, 8·6; and in Dundee, 8·5.

Deaths registered in these towns during the month numbered 2342, 1249 being of males and 1093 of females. These deaths include 246 of non-residents, but do not include those of 159 residents in these towns who died elsewhere in Scotland, and the difference, 87, falls to be deducted to get the corrected number, which is thus found to be 2255. This number is 39 fewer than in the previous month, and 106 fewer than the mean of the numbers for the three preceding months, but is 39 more than in September of last year.

The monthly death-rate, corrected, is 11·3 per thousand. This rate is 0·1 above that for the previous month, 0·3 below the mean of the rates for the three preceding months, and 0·1 above that for September of last year. In the individual towns this rate ranged from 15·3 in Coatbridge, 13·0 in Hamilton, and 12·9 in Greenock, to 6·7 in Falkirk, 8·4 in Motherwell, and 8·5 in Clydebank. In Ayr it was 12·7; in Dundee and in Kirkcaldy, 12·3; in Glasgow and in Aberdeen, 11·8; in Paisley and in Leith, 10·9; in Kilmarnock, 10·0; in Edinburgh, 9·5; and in Perth, 9·3.

Deaths of children of less than one year old numbered 429. They number 13 more than in the previous month, but 10 fewer than the mean of the numbers for the three preceding months, and 14 fewer than in September of last year. These deaths equal an infantile mortality rate of 73 per thousand of the average number of births registered monthly in these towns during the preceding twelve months, which rate is 4 above that for the previous month, but is 2 below the mean of the rates for the three preceding months, and 40 below that for September of last year. In the individual towns this rate ranged from 113 in Dundee, 106 in Leith, and 103 in Ayr, to 0 in Falkirk, 33 in Paisley, and 43 in Edinburgh and in Greenock. In Aberdeen it was 97; in Hamilton, 88; in Glasgow, 77; in Kirkcaldy, 72; in Clydebank, 70; in Coatbridge, 65; in Motherwell, 64; in Kilmarnock, 57; and in Perth, 56.

Deaths from the principal epidemic diseases numbered 149, and included 4 from enteric fever, 5 from measles, 10 each from scarlet fever and from whooping-cough, 24 from diphtheria, and 96 from the diarrhoeas of childhood. These deaths collectively number the same as in the previous month, and are 6 more than the mean of the numbers for the three preceding months, but are 64 fewer than in September of last year.

Deaths from small-pox numbered 12, of which 10 belonged to Glasgow and 2 to Coatbridge. In the previous month deaths from small-pox numbered 13. Of these 12 deaths, 8 were of persons stated to have been vaccinated, all of whom were aged 37 years or upwards. Of the remaining 4 cases in which the deceased was stated not to have been vaccinated, 3 were of children, while in the fourth case the age was 23. Deaths from small-pox in these towns since the commencement of the present epidemic now number 105.

Deaths from pneumonia numbered 165, and those from bronchitis 119. The former are 15 more than in the previous month, and 13 more than in September of last year. The latter are 38 more than in the previous month, and the same amount more than in September of last year.

Deaths of which influenza was the sole named cause numbered 1, while those of which it was named as one of two or more causes numbered 7, the total being thus 8. This total is 1 less than in the previous month, but is the same as in September of last year.

Deaths from all forms of tuberculosis numbered 233, of which 157 were attributed to phthisis. The former are 6 fewer than in the previous month, but are 18 more than in September of last year. The latter are 6 fewer than in the previous month, but 25 more than in September of last year.



METEOROLOGICAL NOTES for Eight of the Principal Towns,  
by A. WATT, M.A., F.R.S.E., Secretary to the Scottish  
Meteorological Society.

SEPTEMBER 1920.

Mean barometric pressure, 29·934 in.; less than the average of 1881–1915 by 0·014 in.

Mean temperature, 53°·5; less by 0°·2.

Mean daily range of temperature, 12°·4; less by 1°·1.

Rain, number of days, 17; greater by 2 days.

Rain, depth in inches, 2·22; less by 0·41 in.

Wind, direction of: a 4 days' excess of winds from south-east and south.

Hence the month was characterised by a mean pressure slightly below the normal; a mean temperature all but equal to the normal, with a rather low mean daily range; a somewhat low mean rainfall; and an excess of winds from south-east or south.

Until 20th pressure distribution was at times of a rather unstable type, especially around 17th, when a "low" crossed the south of Scotland on a due easterly track; but thereafter more settled conditions were general. The mean pressure for the month was all but equal to the normal; at Leith, at sea-level, readings were above 30 in. from 21st to 26th, and on 28th and 29th, and on various earlier days; and the extremes at that place were 30·39 in. on morning of 22nd and 29·33 in. on evening of 18th.

During the first two weeks or so temperature was for the most part moderate to low, though fairly high around 8th and 13th; whilst the depression of 17th was followed by northerly winds for a day or two and very cold weather until 22nd. Thereafter there was a notable recovery of temperature with warm days and mild nights until the end of the month. Readings ranged from 71° at Marchmont on 28th to 27° at Braemar on 22nd. As regards the chief towns the mean was 53°·5, or 0°·2 below the normal; the days were 0°·8 below and the nights 0°·3 above their respective averages; and the extremes were 70° at Leith on 28th and 31° at Perth on 21st.

Rain was more or less general from 1st to 3rd; on 9th rather heavy falls occurred in north and west; and from 14th to 18th conditions were very unsettled, with fairly heavy falls on 17th, and as much as 1·76 in. at Gordon Castle and more than 2 in. at Aberlour on 18th. Over considerable areas towards north-west rain was registered on every day from 1st to 20th, though on several days the actual amounts were small. From 21st until the evening of 30th all but rainless weather was experienced in east and south; whilst elsewhere there was but little rain except towards north-west. Relatively to the normal the distribution was rather irregular, the Moray Firth area and some isolated districts having a moderate excess, but the greater part of Scotland a fairly well-defined shortage. Thus Gordon Castle had 120 per cent., but Crieff only 50 per cent. of the normal. The mean for the chief towns was 2·22 in. or 84 per cent. of the normal.

Wind force was high on 4th, with a gale in some districts.

Thunderstorms occurred at one or two points on 14th or 16th; and somewhat widely on 18th.

Sunshine amounts varied,—thus Aberdeen (102 hours) was considerably below the normal and averaged 1 hour per day less than Edinburgh (132 hours), where there was an appreciable excess.

Aurora was observed at Aberdeen on 8th, 10th, 13th, 20th, and 22nd; in Orkney on 13th and 16th; at Fort-William on 13th and 20th; and at Eskdalemuir on 22nd.

NOTE.—For meteorological table see p. 72.



TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, SEPTEMBER 1920.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1920.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,115,500	1208	1158	2366	2186	180	1166	612	520	1132	97	46	1081
EDINBURGH. . .	320,769	342,300	311	299	610	547	63	411	162	148	310	71	28	267
DUNDEE, . . .	176,085	189,000	180	188	368	335	33	132	101	88	189	9	10	190
ABERDEEN, . . .	163,891	167,700	155	165	320	290	30	184	86	89	175	22	9	162
PAISLEY, . . .	84,455	89,400	100	83	183	172	11	63	44	37	81	4	3	80
LEITH, . . .	80,601	84,700	92	92	184	176	8	73	24	31	55	1	22	76
GREENOCK, . . .	75,140	79,700	107	87	194	182	12	68	45	40	85	4	3	84
PERTH, . . .	35,854	36,600	33	25	58	53	5	37	25	12	37	11	2	28
TOTAL . . . (EIGHT TOWNS)	1,945,282	2,104,900	2186	2097	4283	3941	342	2134	1099	965	2064	219	123	1968
COATBRIDGE, . . .	43,290	44,500	60	51	111	109	2	26	31	22	53	3	6	56
MOTHERWELL . . .	40,380	42,200	49	40	89	89	0	34	16	12	28	0	1	29
KIRKCALDY . . .	39,601	40,700	43	51	94	90	4	22	19	20	39	4	6	41
HAMILTON, . . .	38,644	39,500	58	47	105	94	11	36	23	14	37	1	6	42
CLYDEBANK, . . .	37,548	48,800	55	42	97	93	4	19	10	17	27	3	10	34
KILMARNOCK, . . .	34,728	37,800	35	28	63	59	4	22	15	17	32	4	3	31
FALKIRK, . . .	33,574	34,500	31	29	60	58	2	42	14	10	24	6	1	19
AYR, . . .	32,986	33,600	37	31	68	65	3	60	22	16	38	6	3	35
TOTAL . . . (SIXTEEN TOWNS)	2,246,033	2,426,500	2554	2416	4970	4598	372	2395	1249	1093	2342	246	159	2255

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, SEPTEMBER 1920.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	25·9	7·6	12·8	12·4	11·8	0·8	1·3	0·9	1·9	214	77
EDINBURGH, . . .	21·7	10·3	14·7	11·1	9·5	0·4	0·9	0·7	1·1	30	43
DUNDEE, . . .	23·8	9·0	8·5	12·2	12·3	1·5	1·3	0·8	1·3	49	113
ABERDEEN, . . .	23·3	9·4	13·4	12·7	11·8	0·4	1·2	0·7	1·5	41	97
PAISLEY, . . .	25·0	6·0	8·6	11·1	10·9	0·3	1·2	0·5	1·2	7	33
LEITH, . . .	26·5	4·3	10·5	7·9	10·9	0·6	1·6	0·7	1·2	21	106
GREENOCK, . . .	29·7	6·2	10·4	13·0	12·9	0·6	1·2	0·9	1·2	10	43
PERTH, . . .	19·3	8·6	12·3	12·3	9·3	0·7	0·3	0·0	0·7	4	56
TOTAL . . . (EIGHT TOWNS)	24·8	8·0	12·4	12·0	11·4	0·7	1·2	0·8	1·6	376	75
COATBRIDGE, . . .	30·4	1·8	7·1	14·5	15·3	1·4	1·4	0·5	2·7	8	65
MOTHERWELL, . . .	25·7	0·0	9·8	8·1	8·4	0·9	0·6	0·6	1·2	7	64
KIRKCALDY, . . .	28·2	4·3	6·6	11·7	12·3	0·3	0·6	0·6	1·5	7	72
HAMILTON, . . .	32·4	10·5	11·1	11·4	13·0	0·3	1·2	0·6	2·5	10	88
CLYDEBANK, . . .	24·3	4·1	4·8	6·8	8·5	0·8	1·3	1·3	0·0	8	70
KILMARNOCK, . . .	20·3	6·3	7·1	10·3	10·0	1·3	0·3	0·3	1·0	5	57
FALKIRK, . . .	21·2	3·3	14·8	8·5	6·7	0·7	0·0	0·0	1·4	0	0
AYR, . . .	24·7	4·4	21·8	13·8	12·7	1·5	1·1	0·4	0·7	8	103
TOTAL . . . (SIXTEEN TOWNS)	25·0	7·5	12·0	11·8	11·3	0·7	1·2	0·8	1·6	429	73

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE DEATH-RATE, ETC., FOR SEPTEMBER 1920, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							* Infantile Mortality Rate.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
SEPT. 1920, .	25·0	7·5	12·0	11·3	4	12	5	10	10	24	96	73	53°·5
SEPT. 1919, .	23·0	8·4	12·4	11·2	5	0	18	11	21	24	134	118	53°·1
SEPT. 1918, .	18·8	9·0	9·9	11·4	8	0	11	8	32	39	102	92	49°·6
SEPT. 1917, .	17·5	9·7	7·9	11·0	1	0	13	7	61	22	108	95	55°·1
SEPT. 1916, .	21·7	7·2	7·1	13·5	10	0	25	18	21	30	256	125	53°·8
SEPT. 1915, .	22·1	7·0	9·4	13·6	11	0	50	52	17	43	193	120	54°·3
SEPT. 1914, .	25·2	7·1	10·0	16·2	13	0	8	41	62	28	383	161	54°·1
SEPT. 1913, .	24·7	6·6	9·5	16·0	12	0	51	22	27	36	321	153	54°·4
SEPT. 1912, .	24·3	7·3	8·2	12·6	5	3	4	13	32	33	79	89	51°·3
SEPT. 1911, .	23·7	7·6	8·6	15·9	8	0	13	12	40	37	265	162	54°·1
SEPT. 1910, .	24·6	7·3	7·8	14·9	8	0	7	21	36	43	184	133	54°·5

For all years up to and including 1911, figures are for Eight only of the Principal Towns.

Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths

\* Per 1000 of the average number of births registered monthly during the past 12 months.

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—September 1920.

CAUSES OF DEATH.	All Ages.	Age.											Age not stated.
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	
Enteric Fever - - - - -	4	-	-	1	-	1	2	-	-	-	-	-	-
Typhus Fever - - - - -	3	-	-	-	-	1	1	-	1	-	-	-	-
Small-pox - - - - -	12	1	-	-	2	1	-	6	1	-	1	-	-
Measles - - - - -	5	-	4	-	-	-	-	-	1	-	-	-	-
Scarlet Fever - - - - -	10	-	3	5	2	-	-	-	-	-	-	-	-
Whooping-cough - - - - -	10	5	5	-	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	24	4	13	6	1	-	-	-	-	-	-	-	-
Influenza - - - - -	1	-	-	-	-	-	-	-	-	-	1	-	-
Erysipelas - - - - -	6	-	-	-	-	-	-	-	2	2	2	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	157	-	4	3	6	38	40	34	23	6	3	-	-
Tuberculous Meningitis - - - - -	26	8	7	4	3	4	-	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	23	4	7	2	3	2	-	1	3	1	-	-	-
Other Tuberculous Diseases - - - - -	27	2	2	5	2	6	2	1	4	3	-	-	-
Cancer, Malignant Disease - - - - -	203	-	-	-	1	-	4	20	40	53	62	23	-
Rheumatic Fever - - - - -	13	-	-	2	2	4	1	1	2	-	1	-	-
Meningitis - - - - -	27	13	8	-	1	3	1	-	1	-	-	-	-
Organic Heart Disease - - - - -	201	2	-	1	4	8	7	19	22	44	55	39	-
Bronchitis - - - - -	119	13	4	1	-	1	2	5	10	27	28	28	-
Pneumonia (all forms) - - - - -	165	34	20	3	-	7	9	29	18	17	17	11	-
Other Diseases of Respiratory Organs - - - - -	34	4	4	-	1	2	1	2	1	9	4	6	-
Diarrhoea and Enteritis (under 2 years) - - - - -	96	87	9	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	16	-	-	3	2	3	2	4	-	-	2	-	-
All Liver Diseases (not Malignant) - - - - -	14	-	1	-	-	-	-	2	1	6	1	3	-
Other Diseases of Digestive System - - - - -	84	8	6	2	1	6	5	9	15	12	15	5	-
Nephritis and Bright's Disease - - - - -	63	-	1	1	-	1	1	8	7	21	16	7	-
Puerperal Sepsis - - - - -	8	-	-	-	-	4	2	2	-	-	-	-	-
Other Diseases & Accidents of Preg. & Parturition - - - - -	17	-	-	-	-	5	9	3	-	-	-	-	-
Congenital Debility and Malformation, including Premature Birth - - - - -	174	171	2	1	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	92	5	11	11	2	14	7	7	16	10	4	5	-
Suicide - - - - -	6	-	-	-	-	-	2	-	3	1	-	-	-
Other Defined Diseases - - - - -	562	65	11	4	2	16	19	33	65	90	127	130	-
Diseases Ill-defined or Unknown - - - - -	53	3	3	1	-	1	1	6	9	12	13	4	-
All Causes - - - - -	2255	429	125	56	35	128	118	192	245	314	352	261	-
Influenza—Contributory Cause - - - - -	7	-	1	-	-	-	1	2	-	1	1	1	-

\* Sole Cause specified, vide pp. 70-71.



## DEATHS IN EACH TOWN (corrected for Transfers)—September 1920.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	3	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	1	...	2	...
Small-pox ... ..	10	...	...	...	...	...	...	...
Measles ... ..	2	...	...	1	1	...	1	...
Scarlet Fever ... ..	3	1	...	...	1	...	...	...
Whooping-cough ... ..	8	...	...	1	...	...	1	...
Diphtheria and Croup ... ..	10	4	4	...	...	...	...	...
Influenza ( <i>Sole Cause specified</i> ) ... ..	...	...	...	...	...	...	...	1
Erysipelas ... ..	4	...	...	...	...	...	2	...
Phthisis, Pulmonary Tuberculosis ... ..	85	19	13	10	4	5	6	...
Tuberculous Meningitis ... ..	14	1	1	3	1	...	...	1
Abdominal Tuberculosis ... ..	7	2	3	2	3	4	1	...
Other Tuberculous Diseases ... ..	13	4	3	2	1	2	1	...
Cancer, Malignant Disease ... ..	86	32	9	21	9	9	9	5
Rheumatic Fever ... ..	8	2	...	...	...	...	1	...
Meningitis ... ..	14	3	2	1	1	1	3	...
Organic Heart Disease ... ..	82	29	16	9	8	6	9	6
Bronchitis ... ..	61	12	16	7	4	3	1	...
Pneumonia (all forms) ... ..	95	14	11	10	5	5	6	1
Other Diseases of Respiratory Organs ... ..	21	4	1	3	...	...	1	1
Diarrhœa and Enteritis (under 2 years) ... ..	48	7	19	3	...	4	2	2
Appendicitis and Typhlitis ... ..	9	1	1	1	...	...	1	...
All Liver Diseases (not Malignant) ... ..	5	3	2	...	1	...	1	...
Other Diseases of Digestive System ... ..	37	5	11	6	3	5	5	...
Nephritis and Bright's Disease ... ..	35	11	3	2	4	1	...	...
Puerperal Sepsis ... ..	4	1	...	2	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	9	1	3	2	...	...	...	...
Congenital Debility and Malformation, including Premature Birth ... ..	85	11	20	18	4	11	3	...
Violent Deaths, excluding Suicide ... ..	44	14	4	7	4	3	5	...
Suicide ... ..	2	2	...	...	...	...	1	...
Other Defined Diseases ... ..	247	82	44	50	24	15	17	9
Diseases Ill-defined or Unknown ... ..	30	2	4	1	1	2	5	2
All Causes ... ..	1081	267	190	162	80	76	84	28
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	5	...	...	1	...	1	...	...
AGE AT DEATH.								
Under 1 ... ..	214	30	49	41	7	21	10	4
1-4 ... ..	61	14	11	7	4	6	5	...
5-9 ... ..	25	7	2	2	3	2	...	2
10-14 ... ..	20	3	4	2	2	1	1	...
15-24 ... ..	68	15	5	13	5	5	5	...
25-34 ... ..	65	12	11	6	4	3	3	1
35-44 ... ..	101	17	11	9	9	9	9	4
45-54 ... ..	115	37	16	17	10	3	7	1
55-64 ... ..	137	41	27	23	13	9	17	3
65-74 ... ..	158	51	26	25	14	14	16	5
75 and over ... ..	117	40	28	17	9	3	11	8
Not stated ... ..	...	...	...	...	...	...	...	...
All Ages ... ..	1081	267	190	162	80	76	84	28

DEATHS IN EACH TOWN (corrected for Transfers)—September 1920—*continued.*

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	1	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	2	...	...	...	...	...	...	...
Measles ... ..	...	...	...	...	...	...	...	...
Scarlet Fever ... ..	2	1	...	1	...	...	...	1
Whooping-cough ... ..	...	...	...	...	...	...	...	...
Diphtheria and Croup ... ..	1	1	...	...	1	1	2	...
Influenza ( <i>Sole Cause specified</i> ) ... ..	...	...	...	...	...	...	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	2	2	2	2	5	1	...	1
Tuberculous Meningitis ... ..	1	...	...	2	...	...	...	2
Abdominal Tuberculosis ... ..	1	...	...	...	...	...	...	...
Other Tuberculous Diseases ... ..	1	...	...	...	...	...	...	...
Cancer, Malignant Disease ... ..	5	1	5	...	3	3	4	2
Rheumatic Fever ... ..	...	...	...	...	1	1	...	...
Meningitis ... ..	1	...	...	...	1	...	...	...
Organic Heart Disease ... ..	6	3	7	5	2	5	3	5
Bronchitis ... ..	5	1	3	5	...	...	...	1
Pneumonia (all forms) ... ..	4	3	1	2	...	3	4	1
Other Diseases of Respiratory Organs ... ..	1	...	1	1	...	...	...	...
Diarrhoea and Enteritis (under 2 years) ... ..	1	1	1	...	2	3	...	3
Appendicitis and Typhlitis ... ..	...	...	...	1	1	1	...	...
All Liver Diseases (not Malignant) ... ..	1	...	...	1	...	...	...	...
Other Diseases of Digestive System ... ..	1	3	3	...	1	4	...	...
Nephritis and Bright's Disease ... ..	...	...	1	1	...	1	1	3
Puerperal Sepsis ... ..	1	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	...	...	2	...	...	...	...	...
Congenital Debility and Malformation, including Premature Birth ... ..	1	3	5	7	3	...	...	3
Violent Deaths, excluding Suicide ... ..	2	2	1	4	...	1	...	1
Suicide ... ..	...	...	1	...	...	...	...	...
Other Defined Diseases ... ..	14	7	8	9	12	7	5	12
Diseases Ill-defined or Unknown ... ..	2	1	...	1	2	...	...	...
<b>All Causes ... ..</b>	<b>56</b>	<b>29</b>	<b>41</b>	<b>42</b>	<b>34</b>	<b>31</b>	<b>19</b>	<b>35</b>
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	...	...	...	...	...	...	...	...
<b>AGE AT DEATH.</b>								
Under 1 ... ..	8	7	7	10	8	5	...	8
1-4 ... ..	5	4	...	2	...	3	1	2
5-9 ... ..	2	1	...	3	2	1	2	2
10-14 ... ..	1	...	...	...	...	...	...	1
15-24 ... ..	3	1	2	1	2	2	1	...
25-34 ... ..	3	1	2	...	3	...	2	2
35-44 ... ..	4	3	6	4	2	2	1	1
45-54 ... ..	7	1	7	9	6	...	5	4
55-64 ... ..	8	6	4	6	4	7	2	7
65-74 ... ..	9	5	7	3	5	7	4	3
75 and over ... ..	6	...	6	4	2	4	1	5
Not stated ... ..	...	...	...	...	...	...	...	...
<b>All Ages ... ..</b>	<b>56</b>	<b>29</b>	<b>41</b>	<b>42</b>	<b>34</b>	<b>31</b>	<b>19</b>	<b>35</b>



## ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of SEPTEMBER 1920.

OBSERVERS.	Height of Station above Sea-level.	BARO- METER.		AIR TEMPERATURE.							HYGROMETER.				RAIN, AND OTHER FORMS OF PRE- CIPITATION.			WIND DIRECTIONS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
				Mean of	Minimum (B.)		Mean of A and B (Mean Tem- perature).	Difference from Average	Absolute Maximum and Minimum.			Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
		Maximum (A.)	Minimum (B.)		Maximum	Day of Month.			Minimum.	Day of Month.	N								NE	E	SE	S	SW	W	NW	Calm or Variable.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
		Mean at Station and 32°.	Mean at Sea-Level and 32°.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.  
West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

† At 9 A.M. only.

\* At King's College at 7 A.M. and 6 P.M.

EDINBURGH: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.

To be purchased from H.M. STATIONERY OFFICE (Scottish Branch), 23 Forth Street, Edinburgh.

Printed under the authority of HIS MAJESTY'S STATIONERY OFFICE  
By J. Skinner & Co., Ltd., 27 Thistle Street, Edinburgh.

Price 6d. net.

MONTHLY RETURN  
OF THE  
BIRTHS, DEATHS, AND MARRIAGES  
IN SIXTEEN OF THE PRINCIPAL TOWNS OF  
SCOTLAND.

---

OCTOBER 1920.

---

Published by Authority of the Registrar-General.

---

REPORT.

During the month of October 1920 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the Census of 1911 had populations of over 30,000, the births of 5358 living children, of whom 2765 were male, and 2593 female. The male children number 211 more than in the previous month, but 175 fewer than in October of last year. The female children number 177 more than in the previous month, but 318 fewer than in October of last year. The total children number 388 more than in the previous month, and 82 more than the mean of those for the three preceding months, but are 493 fewer than in October of last year.

The monthly birth-rate was 26·1 per thousand of the estimated aggregate population of these towns. It is 1·1 above that for the previous month, and 0·2 above the mean of the rates for the three preceding months, but is 2·4 below that for October of last year. In the individual towns this rate ranged from 37·3 in Hamilton, 31·8 in Coatbridge, and 31·7 in Clydebank, to 20·7 in Perth, 21·4 in Ayr, and 21·5 in Kirkcaldy. In Kilmarnock it was 28·7; in Greenock, 28·3; in Aberdeen, 28·2; in Glasgow, 27·0; in Falkirk, 26·7; in Paisley, 25·5; in Leith and in Motherwell, 25·4; in Dundee, 23·1; and in Edinburgh, 21·8.

Of the total children whose births were registered, 4936, or 92·1 per cent., were legitimate, and 422, or 7·9 per cent., were illegitimate. Compared with the returns for the previous month the legitimate births are 338 more, and the illegitimate births are 50 more. Compared with the mean of the numbers for the three preceding months, the legitimate births are 86 more, but the illegitimate are 5 fewer. Compared with the numbers for October of last year, the legitimate births are 479 fewer, and the illegitimate 14 fewer. The illegitimate rate is 0·4 above that for the previous month, and 0·4 above the rate for October of last year, but is 0·2 below the mean of the rates for the three preceding months. In the individual towns this rate ranged from 10·9 in Edinburgh, 10·8 in Aberdeen, and 9·4 in Perth, to 2·2 in Motherwell, 3·8 in Leith, and 4·6 in Clydebank. In Glasgow it was 7·4, and in Dundee, 9·2.



Marriages registered during the month numbered 1825. They are 570 fewer than in the previous month, 801 fewer than the mean of the numbers for the three preceding months, and 291 fewer than in October of last year. The monthly marriage-rate is 8·9 per thousand. It is 3·1 below that for the previous month, 4·0 below the mean of the rates for the three preceding months, and 1·4 below that for October of last year. In the individual towns this rate ranged from 10·9 in Dundee and in Kilmarnock, and 10·8 in Edinburgh, to 4·6 in Clydebank, 4·8 in Motherwell, and 5·6 in Leith. In Glasgow and in Kirkcaldy it was 9·0; in Hamilton, 8·7; in Ayr, 8·1; in Aberdeen and in Greenock, 8·0; in Falkirk, 7·5; in Paisley, 7·1; in Perth, 6·8; and in Coatbridge, 6·6.

Deaths registered in these towns during the month numbered 2528, 1305 being of males and 1223 of females. The deaths include those of 224 non-residents, but do not include those of 159 residents in these towns who died elsewhere in Scotland, and the difference, 65, falls to be deducted to get the corrected number, which is thus found to be 2463. This number is 208 more than in the previous month, 168 more than the mean of the numbers for the three preceding months, and 127 more than in October of last year.

The monthly death-rate, corrected, is 12·0 per thousand. It is 0·7 above that for the previous month, 0·7 above the mean of the rates for the three preceding months, and 0·6 above that for October of last year. In the individual towns this rate ranged from 15·1 in Greenock, 13·1 in Glasgow, and 12·0 in Leith, to 8·7 in Clydebank, 9·9 in Paisley, and 10·0 in Kilmarnock. In Perth, in Coatbridge, and in Ayr it was 11·9; in Kirkcaldy, 11·3; in Motherwell, 11·2; in Hamilton, 10·8; in Dundee and in Aberdeen, 10·7; in Edinburgh, 10·5; and in Falkirk, 10·3.

Deaths of children of less than one year old numbered 541. They are 112 more than in the previous month, 120 more than the mean of the numbers for the three preceding months, and 156 more than in October of last year. These deaths equal an infantile mortality rate of 90 per thousand of the average number of births registered monthly in these towns during the preceding twelve months, a rate which is 17 above that for the previous month, and 19 above the mean of the rates for the three preceding months, but 2 below that for October of last year. In the individual towns this rate ranged from 114 in Glasgow, 110 in Coatbridge, and 102 in Greenock, to 41 in Perth, 43 in Edinburgh, and 48 in Falkirk. In Leith it was 93; in Dundee, 83; in Hamilton, 78; in Ayr, 75; in Aberdeen, 73; in Clydebank, 67; in Kirkcaldy, 62; in Kilmarnock, 56; in Paisley, 55; and in Motherwell, 54.

Deaths from the principal epidemic diseases numbered 156, and included 5 from enteric fever, 4 from measles, 13 from scarlet fever, 15 from whooping-cough, 29 from diphtheria, and 90 from the diarrhoeas of childhood. These deaths collectively are 7 more than in the previous month, and 17 more than the mean of the numbers for the three preceding months, but number the same as in October of last year.

Deaths from small-pox numbered 9, of which 4 occurred in Glasgow, 4 in Kilmarnock, and 1 in Hamilton. In the previous month these deaths numbered 12. Of these 9 deaths, 6 were of persons stated to have been vaccinated, while 3 were of persons stated not to have been vaccinated. The former, with one exception, were all aged 35 or upwards. Deaths from small-pox in these towns since the commencement of the present epidemic now number 114.

Deaths from pneumonia numbered 249, and those from bronchitis 144. The former are 84 more than in the previous month, and 78 more than in October of last year. The latter are 25 more than in the previous month, and 34 more than in October of last year.

Deaths of which influenza was the sole named cause numbered 6, while in 12 other cases it was named as one of two or more causes of death. In the previous month these figures were 1 and 7 respectively.

Deaths from all forms of tuberculous disease numbered 221, of which 152 were attributed to phthisis. The former are 12 fewer than in the previous month, but 1 more than in October of last year. The latter are 5 fewer than in the previous month, and 13 fewer than in October of last year.



# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

OCTOBER 1920.

Mean barometric pressure, 29·968 in.; greater than the average of 1881–1915 by 0·120 in.

Mean temperature, 49°·1; greater by 1°·6.

Mean daily range of temperature, 9°·7; less by 2°·0.

Rain, number of days, 13; less by 5 days.

Rain, depth in inches, 1·96; less by 1·34 in.

Wind, direction of: an 11 days' excess of winds from between east and south-east.

Hence the month was characterised by a high mean pressure; a high mean temperature, with an extremely low mean daily range; a very low mean rainfall; and a large excess of easterly and south-easterly winds.

Conditions were for the most part dominated by a high-pressure system over or near to Scandinavia, but at the beginning and again at the end of the month a rather complex pressure distribution was in evidence. There was a complete inversion of the normal south-westerly gradient over our islands, and pressure in Shetland was considerably higher than that in Jersey. The mean pressure was much above the normal; at Leith, at sea-level, readings were above 30 in. from 8th to 13th, from 17th to 20th, and from 23rd to 29th; and the extremes at that place were 30·45 in. on evening of 24th and 29·27 in. on morning of 31st.

During the greater part of the month temperature was decidedly above the normal, though rather low for a day or two around 17th, and the mildness of the nights during the first week was noteworthy. On 27th, with an incursion of fog, there was a sharp fall of temperature, especially in the Forth and Clyde areas, and the last few nights of the month were nearly everywhere rather cold, though in some districts the days still remained warm. Highest readings occurred very generally from 7th to 10th, but here and there on 22nd and 23rd. Temperature ranged from 71° at Kilmarnock on 9th to 19° at Braemar on 26th and at West Linton on 28th. For the chief towns the mean was 49°·1, or 1°·6 above the normal; the days were 0°·6 and the nights 2°·6 above their respective averages; and the extremes were 64° at Perth on 8th and 30°, also at Perth on 19th and 29th. The mean daily range (9°·7) was the lowest for October since 1876 (9°·3).

Very unsettled conditions were general during the first few days, with exceptionally heavy rain in hilly districts towards north-east. Thus Lednathie had more than 2 in. on 1st and again on 4th, and Braemar a total of 4·32 in. from 1st to 5th. From 7th onwards there was a prolonged dry spell in most districts, broken here and there by moderate falls around 15th or 20th. On 30th heavy rains spread from Ireland to some western districts of Scotland, and Gruline (Mull) had as much as 3·05 in. within twelve hours, and on 31st there were again some rather heavy falls; elsewhere only slight or moderate rain was experienced. In extreme south-west and in the hilly regions of Aberdeenshire, Kincardineshire and Forfarshire aggregates were above the normal, but elsewhere there was a decided deficiency, especially towards north-west, where the month was notably dry. Thus at Glencarron the total of 1·32 in. was only 16 per cent. of the normal, and the smallest on record for the month of October. The mean for the chief towns was 1·96 in. or 59 per cent. of the normal.

Easterly gales were experienced during the first three or four days, and a south-easterly to southerly gale on 30th and 31st.

Thunderstorms occurred locally in the west on 4th.

As a result of the heavy rains at the beginning of the month disastrous flooding occurred in many districts, more particularly in Aberdeenshire, where at some points the rivers are reported to have risen to as high a level as in the historic "Moray Floods" of August 1829.

Sunshine aggregates differed little from the normal. During the last week dense fogs occurred in the Forth and Clyde areas, whilst towards the north brilliant sunshine was experienced.

Aurora was observed at Fort-William on 10th, at Aberdeen on 16th, and at various points as far south as Eskdalemuir on 17th.

NOTE.—For meteorological table see p. 80.



TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, OCTOBER 1920.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1920.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,115,500	1352	1203	2555	2367	188	853	683	595	1278	84	48	1242
EDINBURGH. . .	320,769	342,300	324	307	631	562	69	313	140	195	335	64	34	305
DUNDEE, . . .	176,085	189,000	206	164	370	336	34	175	95	81	176	8	4	172
ABERDEEN, . . .	163,891	167,700	191	209	400	357	43	114	85	76	161	22	13	152
PAISLEY, . . .	84,455	89,400	94	99	193	177	16	54	39	41	80	7	2	75
LEITH, . . .	80,601	84,700	99	83	182	175	7	40	38	33	71	0	15	86
GREENOCK, . .	75,140	79,700	76	115	191	179	12	54	52	50	102	4	4	102
PERTH, . . .	35,854	36,600	33	31	64	58	6	21	28	17	45	10	2	37
TOTAL . . . (EIGHT TOWNS)	1,945,282	2,104,900	2375	2211	4586	4211	375	1624	1160	1088	2248	199	122	2171
COATBRIDGE, . .	43,290	44,500	55	65	120	111	9	25	21	23	44	1	2	45
MOTHERWELL . .	40,380	42,200	46	45	91	89	2	17	19	19	38	3	5	40
KIRKCALDY . . .	39,601	40,700	46	28	74	70	4	31	18	16	34	3	8	39
HAMILTON, . . .	38,644	39,500	62	63	125	116	9	29	18	14	32	1	5	36
CLYDEBANK, . .	37,548	48,800	67	64	131	125	6	19	14	14	28	0	8	36
KILMARNOCK, . .	34,728	37,800	45	47	92	86	6	35	16	18	34	8	6	32
FALKIRK, . . .	33,574	34,500	41	37	78	71	7	22	19	13	32	3	1	30
AYR, . . .	32,986	33,600	28	33	61	57	4	23	20	18	38	6	2	34
TOTAL . . . (SIXTEEN TOWNS)	2,246,033	2,426,500	2765	2593	5358	4936	422	1825	1305	1223	2528	224	159	2463

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, OCTOBER 1920.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	27·0	7·4	9·0	13·5	13·1	0·8	1·1	0·7	2·8	325	114
EDINBURGH, . .	21·8	10·9	10·8	11·6	10·5	0·4	0·8	0·4	1·4	31	43
DUNDEE, . . .	23·1	9·2	10·9	11·0	10·7	1·2	1·4	1·1	1·6	37	83
ABERDEEN, . .	28·2	10·8	8·0	11·3	10·7	0·1	1·1	1·0	1·4	32	73
PAISLEY, . . .	25·5	8·3	7·1	10·6	9·9	0·9	1·2	0·7	1·7	12	55
LEITH, . . .	25·4	3·8	5·6	9·9	12·0	0·7	1·4	1·1	0·8	19	93
GREENOCK, . .	28·3	6·3	8·0	15·1	15·1	1·3	1·2	1·0	1·8	24	102
PERTH, . . .	20·7	9·4	6·8	14·5	11·9	0·3	1·0	0·3	1·3	8	41
TOTAL . . . (EIGHT TOWNS)	25·7	8·2	9·1	12·6	12·2	0·7	1·1	0·8	2·2	483	93
COATBRIDGE, . .	31·8	7·5	6·6	11·7	11·9	1·3	0·5	0·3	0·5	14	110
MOTHERWELL, . .	25·4	2·2	4·8	10·6	11·2	0·8	1·7	1·1	2·2	6	54
KIRKCALDY, . .	21·5	5·4	9·0	9·9	11·3	0·6	0·9	0·6	1·5	6	62
HAMILTON, . . .	37·3	7·2	8·7	9·6	10·8	1·3	0·9	0·6	0·6	9	78
CLYDEBANK, . .	31·7	4·6	4·6	6·8	8·7	1·0	0·7	0·2	1·5	8	67
KILMARNOCK, . .	28·7	6·5	10·9	10·6	10·0	0·9	0·9	0·6	1·2	5	56
FALKIRK, . . .	26·7	9·0	7·5	10·9	10·3	0·3	1·4	1·0	1·4	4	48
AYR, . . .	21·4	6·6	8·1	13·3	11·9	1·1	1·4	1·1	2·1	6	75
TOTAL . . . (SIXTEEN TOWNS)	26·1	7·9	8·9	12·3	12·0	0·8	1·1	0·7	2·0	541	90

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE DEATH-RATE, ETC., FOR OCTOBER 1920, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							* Infantile Mortality Rate.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
OCT. 1920, .	26.1	7.9	8.9	12.0	5	9	4	13	15	29	90	90	49° 1
OCT. 1919, .	28.5	7.5	10.3	11.4	6	0	18	18	14	43	57	92	46° 8
OCT. 1918, .	21.3	9.1	9.4	27.6	5	0	8	12	63	48	62	138	48° 0
OCT. 1917, .	19.6	8.6	7.5	11.9	6	0	31	11	52	38	90	99	43° 9
OCT. 1916, .	22.9	8.4	7.0	13.6	14	0	49	26	13	33	155	113	47° 9
OCT. 1915, .	21.9	6.5	8.1	15.3	10	0	67	74	12	47	172	140	46° 9
OCT. 1914, .	26.3	7.1	6.9	14.9	22	0	7	63	45	75	171	123	49° 3
OCT. 1913, .	26.5	6.9	7.2	14.4	14	0	63	47	17	53	151	117	50° 3
OCT. 1912, .	27.2	6.3	7.3	14.6	5	5	3	21	38	48	79	110	46° 6
OCT. 1911, .	24.6	8.2	7.7	16.2	5	0	36	32	21	41	109	132	46° 0
OCT. 1910, .	25.0	7.6	7.3	14.5	9	0	5	21	29	57	104	115	50° 1

For all years up to and including 1911, figures are for Eight only of the Principal Towns.  
 Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths.  
 \* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—October 1920.

CAUSES OF DEATH.	All Ages.	Age.												Age not stated.
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-		
Enteric Fever - - - - -	5	-	-	1	1	1	1	-	1	-	-	-	-	
Typhus Fever - - - - -	3	-	-	-	-	1	1	-	1	-	-	-	-	
Small-pox - - - - -	9	1	-	-	-	1	-	2	1	1	3	-	-	
Measles - - - - -	4	2	2	-	-	-	-	-	-	-	-	-	-	
Scarlet Fever - - - - -	13	-	7	5	-	1	-	-	-	-	-	-	-	
Whooping-cough - - - - -	15	11	4	-	-	-	-	-	-	-	-	-	-	
Diphtheria and Croup - - - - -	29	3	16	8	-	2	-	-	-	-	-	-	-	
Influenza - - - - -	6	1	-	-	-	-	-	1	1	1	1	1	-	
Erysipelas - - - - -	7	2	-	-	-	-	-	-	2	2	-	1	-	
Phthisis, Pulmonary Tuberculosis - - - - -	152	1	1	4	4	28	40	25	35	10	4	-	-	
Tuberculous Meningitis - - - - -	21	4	12	-	2	2	1	-	-	-	-	-	-	
Abdominal Tuberculosis - - - - -	24	5	6	9	1	3	-	-	-	-	-	-	-	
Other Tuberculous Diseases - - - - -	24	-	4	4	2	3	5	1	2	2	-	1	-	
Cancer, Malignant Disease - - - - -	233	2	-	2	2	2	7	20	46	67	58	27	-	
Rheumatic Fever - - - - -	8	-	-	2	2	2	1	-	-	1	-	-	-	
Meningitis - - - - -	23	11	7	1	1	1	2	-	-	-	-	-	-	
Organic Heart Disease - - - - -	214	2	1	-	6	10	15	13	22	44	58	43	-	
Bronchitis - - - - -	144	43	9	3	-	2	2	6	7	16	34	22	-	
Pneumonia (all forms) - - - - -	249	89	36	3	2	9	12	21	25	21	20	11	-	
Other Diseases of Respiratory Organs - - - - -	28	8	1	1	-	-	-	2	2	5	3	6	-	
Diarrhoea and Enteritis (under 2 years) - - - - -	90	75	15	-	-	-	-	-	-	-	-	-	-	
Appendicitis and Typhlitis - - - - -	13	-	-	1	1	4	2	2	1	1	1	-	-	
All Liver Diseases (not Malignant) - - - - -	20	-	-	2	-	-	-	3	6	2	4	3	-	
Other Diseases of Digestive System - - - - -	85	14	10	3	2	3	6	7	8	10	14	8	-	
Nephritis and Bright's Disease - - - - -	59	-	2	1	-	2	5	6	13	11	10	9	-	
Puerperal Sepsis - - - - -	5	-	-	-	-	2	1	2	-	-	-	-	-	
Other Diseases & Accidents of Preg. & Parturition - - - - -	19	-	-	-	-	1	12	5	1	-	-	-	-	
Congenital Debility and Malformation, including - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	-	
Premature Birth - - - - -	197	194	3	-	-	-	-	-	-	-	-	-	-	
Violent Deaths, excluding Suicide - - - - -	106	6	15	11	4	10	5	11	17	14	7	6	-	
Suicide - - - - -	8	-	-	-	-	-	3	1	1	1	1	1	-	
Other Defined Diseases - - - - -	603	64	10	6	2	20	17	39	59	85	154	147	-	
Diseases Ill-defined or Unknown - - - - -	47	3	2	1	-	-	6	3	4	11	12	5	-	
All Causes - - - - -	2463	541	163	68	32	110	144	170	255	305	384	291	-	
Influenza—Contributory Cause - - - - -	12	-	1	-	-	1	3	3	-	1	2	1	-	

\* Sole Cause specified, vide pp. 78-79.



## DEATHS IN EACH TOWN (corrected for Transfers)—October 1920.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	5	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	2	...	1	...
Small-pox ... ..	4	...	...	...	...	...	...	...
Measles ... ..	4	...	...	...	...	...	...	...
Scarlet Fever ... ..	2	2	2	...	3	2	...	...
Whooping-cough ... ..	8	1	3	...	...	1	1	...
Diphtheria and Croup ... ..	11	6	3	2	...	1	...	...
Influenza ( <i>Sole Cause specified</i> ) ... ..	3	2	...	...	...	...	1	...
Erysipelas ... ..	6	...	...	1	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	70	12	17	14	5	8	7	1
Tuberculous Meningitis ... ..	9	5	1	1	3	1	...	...
Abdominal Tuberculosis ... ..	9	1	3	...	1	...	1	1
Other Tuberculous Diseases ... ..	14	4	2	1	...	1	...	1
Cancer, Malignant Disease ... ..	114	33	17	10	6	10	11	8
Rheumatic Fever ... ..	5	...	...	...	1	1	...	1
Meningitis ... ..	9	1	...	...	1	2	3	2
Organic Heart Disease ... ..	92	40	11	11	7	7	13	8
Bronchitis ... ..	79	17	11	6	7	2	6	1
Pneumonia (all forms) ... ..	172	21	13	13	6	2	3	...
Other Diseases of Respiratory Organs ... ..	12	3	1	1	...	2	3	3
Diarrhoea and Enteritis (under 2 years) ... ..	44	2	12	...	4	1	8	1
Appendicitis and Typhlitis ... ..	7	2	1	...	...	...	1	...
All Liver Diseases (not Malignant) ... ..	8	5	1	2	...	...	...	...
Other Diseases of Digestive System ... ..	46	14	3	5	1	3	1	3
Nephritis and Bright's Disease ... ..	34	7	2	1	3	3	3	...
Puerperal Sepsis ... ..	3	...	1	...	...	1	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	12	3	...	1	...	1	...	...
Congenital Debility and Malformation, including Premature Birth ... ..	107	17	14	20	2	7	10	...
Violent Deaths, excluding Suicide ... ..	62	8	6	3	5	5	7	...
Suicide ... ..	3	1	2	1	1	...	...	...
Other Defined Diseases ... ..	265	96	43	55	17	21	19	6
Diseases Ill-defined or Unknown ... ..	23	2	3	4	...	4	3	1
<b>All Causes ...</b>	<b>1242</b>	<b>305</b>	<b>172</b>	<b>152</b>	<b>75</b>	<b>86</b>	<b>102</b>	<b>37</b>
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	<i>4</i>	<i>3</i>	<i>2</i>	<i>1</i>	...	...	...	...
<b>AGE AT DEATH.</b>								
Under 1 ... ..	325	31	37	32	12	19	24	3
1- 4 ... ..	81	15	8	6	7	7	9	2
5- 9 ... ..	34	6	4	6	3	4	2	...
10-14 ... ..	16	1	4	...	1	2	2	2
15-24 ... ..	51	16	11	8	6	2	4	...
25-34 ... ..	67	16	12	11	7	4	3	5
35-44 ... ..	99	20	10	12	2	3	9	3
45-54 ... ..	144	25	20	11	5	11	6	2
55-64 ... ..	147	53	22	16	9	10	15	4
65-74 ... ..	174	53	26	33	14	11	20	8
75 and over ... ..	104	69	18	17	9	13	8	8
Not stated ... ..	...	...	...	...	...	...	...	...
<b>All Ages ...</b>	<b>1242</b>	<b>305</b>	<b>172</b>	<b>152</b>	<b>75</b>	<b>86</b>	<b>102</b>	<b>37</b>

## DEATHS IN EACH TOWN (corrected for Transfers)—October 1920—continued.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	1	...	4	...	...
Measles ... ..	...	...	...	...	...	...	...	...
Scarlet Fever ... ..	...	...	...	1	...	1	...	...
Whooping-cough ... ..	...	...	...	1	...	...	...	...
Diphtheria and Croup ... ..	...	2	1	1	1	...	1	...
Influenza ( <i>Sole Cause specified</i> ) ... ..	...	...	...	...	...	...	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	1	4	2	2	1	2	3	3
Tuberculous Meningitis ... ..	...	...	...	...	...	1	...	...
Abdominal Tuberculosis ... ..	1	2	...	1	2	...	1	1
Other Tuberculous Diseases ... ..	...	...	1	...	...	...	...	...
Cancer, Malignant Disease ... ..	3	5	5	3	4	...	3	1
Rheumatic Fever ... ..	...	...	...	...	...	...	...	...
Meningitis ... ..	1	...	...	...	2	2	...	...
Organic Heart Disease ... ..	6	...	7	1	2	3	2	4
Bronchitis ... ..	1	4	2	1	3	...	...	4
Pneumonia (all forms) ... ..	1	3	2	1	3	3	4	2
Other Diseases of Respiratory Organs ... ..	...	1	1	...	...	1	...	...
Diarrhoea and Enteritis (under 2 years) ... ..	5	1	1	3	3	2	...	3
Appendicitis and Typhlitis ... ..	...	1	...	...	1	...	...	...
All Liver Diseases (not Malignant) ... ..	...	1	1	...	...	...	1	1
Other Diseases of Digestive System ... ..	3	1	...	1	2	1	1	...
Nephritis and Bright's Disease ... ..	...	1	2	...	2	...	...	1
Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	...	1	...	...	...	...	1	...
Congenital Debility and Malformation, including Premature Birth ... ..	6	2	2	4	1	1	2	2
Violent Deaths, excluding Suicide ... ..	2	3	1	...	2	...	1	1
Suicide ... ..	...	...	...	...	...	...	...	...
Other Defined Diseases ... ..	15	6	11	14	6	8	10	11
Diseases Ill-defined or Unknown ... ..	...	2	...	1	1	3	...	...
All Causes ... ..	45	40	39	36	36	32	30	34
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	...	1	...	...	1	...	...	...
AGE AT DEATH.								
Under 1 ... ..	14	6	6	9	8	5	4	6
1-4 ... ..	2	7	2	5	3	6	2	1
5-9 ... ..	1	2	...	...	2	...	2	2
10-14 ... ..	...	...	1	...	1	2	...	...
15-24 ... ..	2	...	1	4	4	...	...	1
25-34 ... ..	1	3	2	2	3	2	4	2
35-44 ... ..	2	1	1	2	2	...	2	2
45-54 ... ..	3	9	2	3	4	2	4	4
55-64 ... ..	4	...	6	7	4	4	2	2
65-74 ... ..	8	10	8	2	2	8	3	4
75 and over ... ..	8	2	10	2	3	3	7	10
Not stated ... ..	...	...	...	...	...	...	...	...
All Ages ... ..	45	40	39	36	36	32	30	34



## ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of OCTOBER 1920.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.													
	Mean at Sea-Level and 32°.		Mean of		Mean of A and B (Mean Temperature).		Difference from Average		Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Number of Days.		Total Fall.		Difference from Average.		Number of Observations at 9 A.M. and 9 P.M.									
	feet.	inch.	inch.	inch.	°	°	°	°	°	°	°	°	°	°	°	°	°	°	N	NE	E	SE	S	SW	W	NW	Calm or Variable.	
GLASGOW, JAMES CONNELL, The Observatory.	184	29.749	29.951	54.0	45.2	49.6	+2.2	61	7th	32	29, 30	48.6	1.8	.299	82	10	1.73	-1.67	4	14	30	7	1	0	2	0	4	
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.480	29.964	53.6	43.8	48.7	+1.3	61	7th	32	28, 29	47.7	1.6	.292	89	12	0.87	-1.71	0	2	11	17	8	3	1	0	20	
DUNDEE, ALEX. MACRAE, Curator of Cemeteries.	164	29.787	29.967	53.3	43.7	48.5	+1.8	61	8th	32	29th	47.8	0.9	.311	93	16	2.26	-0.40	0	5	0	40	0	9	0	S	0	
ABERDEEN,* The Meteorological Office.	90	29.900	30.001	54.5	46.3	50.4	+3.1	61	7th	38	25th	49.7	1.3	.323	91	13	2.80	-0.20	1	1	2	19	29	5	3	0	2	
PAISLEY, The Coats Observatory.	107	29.839	29.958	54.4	43.8	49.1	+0.7	61	7, 22	31	30th	48.5	1.5	.303	89	11	1.42	-2.32	0	3	15	12	3	0	2	0	27	
LEITH,† JAMES BOLAM, Navigation School.	76	29.889	29.973	52.9	43.7	48.3	-0.2	62	7th	32	30th	47.2	1.2	.295	92	13	0.90	-1.79	2	0	26	16	14	2	0	2	0	
GREENOCK,† JAMES MACALISTER, A.M. Inst. C.E., Greenock Waterworks.	233	29.702	29.959	54.2	45.1	49.7	+2.2	60	23rd	32	28th	48.4	1.7	.298	88	16	3.72	-1.66	0	3	26	25	0	5	1	1	1	
PERTH,† JOHN RITCHIE, Junr., The Museum.	22	29.947	29.971	54.4	42.3	48.4	+2.0	64	8th	30	19, 29	..	..	..	..	9	1.95	-1.00	4	1	31	14	8	0	4	0	0	
Means	165	29.787	29.968	53.9	44.2	49.1	+1.6	..	..	..	..	48.3	1.4	.303	90	13	1.96	-1.34	1	4	18	19	8	3	1	1	7	

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.  
West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

\* At King's College at 7 A.M. and 6 P.M.  
† At 9 A.M. only

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.  
 West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 32'; Mean, 3° 32'.

† At 9 A.M. only.

\* At King's College at 7 A.M. and 6 P.M.

EDINBURGH: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.  
 To be purchased from H.M. STATIONERY OFFICE (Scottish Branch), 23 Forth Street, Edinburgh.

Printed under the authority of HIS MAJESTY'S STATIONERY OFFICE  
 By J. Skinner & Co., Ltd., 27 Thistle Street, Edinburgh.

Price 6d. net.

MONTHLY RETURN  
OF THE  
BIRTHS, DEATHS, AND MARRIAGES  
IN SIXTEEN OF THE PRINCIPAL TOWNS OF  
SCOTLAND.

---

NOVEMBER 1920.

---

Published by Authority of the Registrar-General.

---

REPORT.

The Edinburgh Extension Act, 1920, became effective on 2nd November, and by it, *inter alia*, the burgh of Leith was combined with the burgh of Edinburgh. For statistical purposes, to obviate discontinuity of returns during the currency of a year, the changes brought about by that Act will not be given effect to in the reports of November and of December, but will be delayed until January. Consequently in this report Edinburgh will be dealt with as if within the old, not the new, boundaries, and Leith will be dealt with as still being an independent burgh. The burgh of Motherwell, to which has been added the burgh of Wishaw and certain landward areas, is also being dealt with until January as if within the old boundaries.

During the month of November 1920 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 5011 living children, of whom 2590 were male, and 2421 were female. The male children of the month number 175 fewer than in the previous month, and 178 fewer than in November of last year. The female children of the month number 172 fewer than in the previous month, and 288 fewer than in November of last year. The total children of the month number 347 fewer than in the previous month, 202 less than the mean of the numbers of the three preceding months, and 466 fewer than in November of last year.

The monthly birth-rate was 25·2 per thousand of the estimated population of these sixteen towns. This rate is 0·9 less than that of the previous month, 0·4 less than the mean of those of the three preceding months, and 2·4 less than that of November of last year. In the individual towns this rate varied from 30·9 in Hamilton, 29·7 in Greenock, 29·2 in Motherwell, and 27·1 in Glasgow and in Coatbridge, to 17·0 in Perth, and 21·6 in Edinburgh. In Aberdeen this rate was 24·2; in Clydebank, 24·0; in Kilmarnock, 23·2; in Kirkcaldy, 23·1; in Dundee, 23·0; in Paisley, 22·8; in Falkirk, 22·6; in Leith, 22·5; and in Ayr, 22·1.

Of the total children whose births were registered, 4634, or 92·5 per cent., were legitimate, while 377, or 7·5 per cent., were illegitimate. Compared with the number in the previous month, the legitimate children are 302 fewer, and the illegitimate children are 45 fewer. Compared with the number in November of last year, the legitimate children are 434 fewer, and the illegitimate children are 32 fewer. The illegitimate rate of the month is 0·4 less than that of the previous month, and 0·6 less than the mean of those of the three preceding months, but is the same as that of November of last year. In the individual towns this rate varied from 12·3 per cent. in Aberdeen, 11·7 in Kirkcaldy, and 10·7 in Edinburgh, to 1·0 in Clydebank, 2·0 in Motherwell, and 4·0 in Coatbridge. In Glasgow this rate was 7·2, and in Dundee, 6·7.

Marriages registered in these towns during the month numbered 1903. These



marriages are 78 more than registered in the previous month, and 38 more than registered in November of last year, but their number is 184 less than the mean of those of the three preceding months. The monthly marriage-rate was 9·6 per thousand. It is 0·7 more than that of the previous month, and 0·2 more than that of the corresponding month of last year, but is 0·7 less than the mean of those of the three preceding months. In the individual towns this rate varied from 12·4 in Aberdeen, 11·6 in Edinburgh, 11·2 in Ayr, and 11·0 in Perth, to 4·5 in Clydebank, 5·2 in Hamilton, and 5·8 in Coatbridge and in Motherwell. In Leith it was 10·4; in Paisley, 10·1; in Glasgow, 9·6; in Dundee 8·1; in Falkirk, 8·1; in Greenock, 7·5; in Kilmarnock, 6·8; and in Kirkcaldy, 6·0.

Deaths registered in these towns numbered 3017, 1605 being of males and 1412 of females. These deaths include those of 294 non-residents, but exclude those of 181 residents of these towns who died elsewhere in Scotland, and the difference, 113, falls to be deducted to get the corrected number of the month, which is thus found to be 2904. The corrected number is 441 more than that of the previous month, 567 more than the mean of those of the three preceding months, and 102 more than that of November of last year.

The monthly death-rate was 14·6 per thousand. It is 2·6 more than that of the previous month, 3·1 more than the mean of those of the three preceding months, and 0·5 more than that of November of last year. In the individual towns this rate varied from 19·5 in Kirkcaldy, 18·3 in Perth, and 17·0 in Greenock, to 11·0 in Kilmarnock, 11·7 in Paisley, and 12·0 in Hamilton. In Ayr this rate was 16·3; in Glasgow, 15·5; in Leith, 14·5; in Falkirk, 14·5; in Edinburgh, 13·7; in Motherwell, 13·6; in Dundee, 13·1; in Aberdeen, 12·9; in Coatbridge, 12·9; and in Clydebank, 12·8.

Deaths of children of less than one year old numbered 635. They are 94 more than in the previous month, 173 more than the mean of the numbers of the three preceding months, and 156 more than in November of last year. They equal an infantile mortality rate of 110 per thousand of the average number of births registered monthly during the preceding twelve months, which rate is 20 more than that of the previous month and 33 more than the mean of those of the three preceding months, but 4 less than that of November of last year. In the individual towns this rate varied from 159 in Perth, 128 in Glasgow, and 123 in Clydebank, to 35 in Kilmarnock, 54 in Kirkcaldy, and 75 in Dundee. In Greenock this rate was 115; in Motherwell, 112; in Aberdeen, 110; in Hamilton, 109; in Coatbridge, 107; in Falkirk, 103; in Paisley, 96; in Leith, 92; in Edinburgh, 82; and in Ayr, 78.

Deaths from the principal epidemic diseases numbered 170, and included 5 from enteric fever, 7 from measles, 16 from scarlet fever, 21 from whooping-cough, 45 from diphtheria, and 76 from the diarrhoeas of childhood. These deaths collectively number 14 more than in the previous month, but 21 fewer than in November of last year.

Deaths from small-pox numbered 4. This number is smaller than in any month since March of this year. In January and February of this year no deaths from this cause were registered in these towns; in March there were 3, and in April 6; thereafter the number was an increasing one, attaining a maximum of 30 in July, but since then it has been decreasing, falling to 13 in August, 12 in September, 9 in October, and 4 in November.

Deaths from pneumonia numbered 366, and those from bronchitis 248. The former number 117 more than in the previous month, and 122 more than in the corresponding month of last year. The latter number 104 more than in the previous month, but 11 fewer than in the corresponding month of last year.

Deaths of which influenza was the sole named cause numbered 6, and those of which influenza was one of two or more named causes, 19. Collectively these deaths number 7 more than in the previous month, and 2 more than in the corresponding month of last year.

Deaths from all forms of tuberculous disease numbered 264, 180 of them being attributed to phthisis. The total number is 43 more than in the previous month, and 35 more than in November of last year. The deaths from phthisis number 28 more than in the previous month, and 12 more than in November of last year.



# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

## NOVEMBER 1920.

Mean barometric pressure, 29·907 in.; greater than the average of 1881–1915 by 0·086 in.

Mean temperature, 45°·5; greater by 3°·2.

Mean daily range of temperature, 7°·8; less by 2°·0.

Rain, number of days, 16; less by 1 day.

Rain, depth in inches, 3·22; less by 0·14 in.

Wind, direction of: 11 days' excess of winds from between south-east and south-west.

Hence the month was characterised by a somewhat high mean pressure; an abnormally high mean temperature, with an extremely low mean daily range; a mean rainfall all but equal to the normal; and a large excess of winds from a southerly quarter.

About 7th Atlantic disturbances had begun to affect the west and north, and for several days from 12th onwards a depression which moved eastwards across the Faroes caused very stormy weather in all districts. Otherwise, and more especially in east and south, anticyclonic conditions were much in evidence. The mean pressure was somewhat above the normal; at Leith, at sea-level, readings were above 30 in. from 5th to 9th, on 11th, and from 17th to 24th; and the extremes at that place were 30·42 in. on 22nd and 28·97 in. on 15th.

The month was on the whole extremely mild, and during the last sixty years in Scotland November has had a higher mean temperature only in 1897 and 1899. The only really cold weather occurred from 22nd to 24th; on 22nd, with a dense fog, temperature at Leith did not rise above 37°; and at Balmoral on 24th the minimum was 15°. Highest readings occurred generally around 9th, 14th, or 20th, with 61° at Banff on 9th. Almost throughout the month, and notably during the first week, temperature, especially by night, was much higher in Scotland than in many parts of England. Thus at Edinburgh ground frost occurred on only 3 nights, but at Kew Observatory (Richmond) on as many as 16 nights. For the chief towns the mean was 45°·5, or 3°·2 above the normal as compared with 36°·2 in November 1919; the days were 2°·2 and the nights 4°·2 above their respective averages; and the extremes were 59° at Edinburgh, Leith, and Perth on 9th, 14th or 15th, and 20° at Perth on 23rd. The mean daily range was the lowest on record for November.

In many districts in west and north rain fell on every day from 4th to 19th, elsewhere but little until 12th. From 12th to 14th and 15th wet or very wet weather was general, with about 1½ in. at Greenock on 12th, and at Invergarry a four days' total of about 7 in. Thereafter there was little or no rain until 25th or 26th, when unsettled conditions again set in, with heavy falls on 27th, 1·32 in. at Rothesay. In eastern and southern districts aggregates were below the normal, decidedly so in north-east and south-east; in west and north there was a slight to fairly well-marked excess. Within the dry area, at *e.g.* Edinburgh, about three-quarters of the aggregate was accounted for between 12th and 15th. The mean for the chief towns was 3·22 in. or 96 per cent. of the normal.

The period from 12th to 15th was exceptionally stormy. In various districts trees were uprooted, and in some much structural damage was done. The gale blew from a southerly point, and appears to have reached its greatest violence in Orkney, Shetland, and the Western Islands.

From 13th to 15th thunderstorms and hail occurred in some districts.

Sunshine aggregates were in general slightly below the normal. Dense fog was experienced in the Forth and Clyde areas on 22nd and 23rd.

Aurora was observed at Aberdeen on 5th and 15th, and at Eskdalemuir on 5th and 16th.



TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, NOVEMBER 1920.

TOWNS.	POPULATION.		BIRTHS.					MARRIAGES.	DEATHS.					
	Census. 1911.	Estimated to middle of 1920.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,008,487	1,115,500	1273	1205	2478	2300	178	882	816	644	1460	98	57	1419
EDINBURGH. . .	320,769	342,300	339	267	606	541	65	326	222	220	442	90	31	383
DUNDEE, . . .	176,085	189,000	168	188	356	332	24	125	99	113	212	12	3	203
ABERDEEN, . .	163,891	167,700	167	166	333	292	41	171	92	100	192	26	11	177
PAISLEY, . . .	84,455	89,400	89	78	167	156	11	74	53	42	95	14	5	86
LEITH, . . . .	80,601	84,700	72	84	156	148	8	72	42	41	83	1	19	101
GREENOCK, . .	75,140	79,700	104	90	194	185	9	49	67	48	115	6	2	111
PERTH, . . . .	35,854	36,600	27	24	51	48	3	33	34	31	65	12	2	55
TOTAL . . . (EIGHT TOWNS)	1,945,282	2,104,900	2239	2102	4341	4002	339	1732	1425	1239	2664	259	130	2535
COATBRIDGE, . .	43,290	44,500	45	54	99	95	4	21	22	24	46	3	4	47
MOTHERWELL . .	40,380	42,200	49	52	101	99	2	20	18	25	43	1	5	47
KIRKCALDY . . .	39,601	40,790	43	34	77	68	9	20	29	32	61	3	7	65
HAMILTON, . . .	38,644	39,500	60	40	100	94	6	17	13	20	33	3	9	39
CLYDEBANK, . .	37,548	48,800	48	48	96	95	1	18	25	14	39	0	12	51
KILMARNOCK, . .	34,728	37,800	43	29	72	66	6	21	24	13	37	9	6	34
FALKIRK, . . .	33,574	34,500	35	29	64	58	6	23	23	18	41	4	4	41
AYR, . . . . .	32,986	33,600	28	33	61	57	4	31	26	27	53	12	4	45
TOTAL . . . (SIXTEEN TOWNS)	2,246,033	2,426,500	2590	2421	5011	4634	377	1903	1605	1412	3017	294	181	2904

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, NOVEMBER 1920.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, . . .	27.1	7.2	9.6	16.0	15.5	0.9	1.4	1.0	4.2	352	128
EDINBURGH, . .	21.6	10.7	11.6	15.8	13.7	0.6	1.4	1.1	2.5	57	82
DUNDEE, . . .	23.0	6.7	8.1	13.7	13.1	0.7	1.4	1.0	2.1	32	75
ABERDEEN, . .	24.2	12.3	12.4	14.0	12.9	0.4	0.7	0.4	2.3	46	110
PAISLEY, . . .	22.8	6.6	10.1	13.0	11.7	0.7	1.0	0.5	3.7	20	96
LEITH, . . . .	22.5	5.1	10.4	12.0	14.5	0.4	1.6	1.2	2.6	18	92
GREENOCK, . .	29.7	4.6	7.5	17.6	17.0	1.7	1.8	0.8	3.1	26	115
PERTH, . . . .	17.0	5.9	11.0	21.7	18.3	1.3	1.3	0.7	1.0	11	159
TOTAL . . . (EIGHT TOWNS)	25.2	7.8	10.0	15.4	14.7	0.8	1.4	0.9	3.4	562	113
COATBRIDGE, . .	27.1	4.0	5.8	12.6	12.9	1.4	1.6	1.4	2.7	13	107
MOTHERWELL, . .	29.2	2.0	5.8	12.4	13.6	0.6	0.9	0.3	3.2	12	112
KIRKCALDY, . .	23.1	11.7	6.0	18.3	19.5	1.5	2.4	1.8	1.5	5	54
HAMILTON, . . .	30.9	6.0	5.2	10.2	12.0	1.2	0.9	0.6	3.4	12	109
CLYDEBANK, . .	24.0	1.0	4.5	9.8	12.8	1.0	0.8	0.8	2.8	14	123
KILMARNOCK, . .	23.2	8.3	6.8	11.9	11.0	1.9	1.0	0.6	1.9	3	35
FALKIRK, . . .	22.6	9.4	8.1	14.5	14.5	2.5	0.7	0.7	2.5	8	103
AYR, . . . . .	22.1	6.6	11.2	19.2	16.3	0.4	0.4	0.4	3.3	6	78
TOTAL . . . (SIXTEEN TOWNS)	25.2	7.5	9.6	15.2	14.6	0.9	1.3	0.9	3.3	635	110

\* Based on the average number of births registered monthly during the past 12 months.

TABLE III.--BIRTH-RATE DEATH-RATE, ETC., FOR NOVEMBER 1920, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							*Infantile Mortality Rate.	Mean Temperature (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
NOV. 1920, .	25.2	7.5	9.6	14.6	5	4	7	16	21	45	76	110	46° 5
NOV. 1919, .	27.6	7.5	9.4	14.1	4	0	62	24	11	40	50	114	36° 2
NOV. 1918, .	19.1	9.2	7.4	24.8	3	0	4	13	52	51	34	138	40° 5
NOV. 1917, .	18.2	9.1	6.5	12.1	0	0	46	11	30	45	39	103	45° 2
NOV. 1916, .	21.2	7.3	6.5	14.4	10	0	58	16	13	36	73	107	44° 5
NOV. 1915, .	21.3	6.7	11.6	20.0	8	0	66	57	14	55	78	142	36° 7
NOV. 1914, .	25.0	7.9	7.7	16.8	14	0	16	75	71	62	79	125	43° 1
NOV. 1913, .	22.6	7.1	6.8	15.0	6	0	116	36	19	46	74	128	45° 3
NOV. 1912, .	24.6	6.3	6.1	16.5	15	4	12	16	44	34	50	152	42° 4
NOV. 1911, .	23.9	7.5	6.5	17.0	6	0	100	18	25	46	55	152	41° 5
NOV. 1910, .	24.9	7.7	6.3	17.2	11	0	7	28	44	54	67	115	36° 7

For all years up to and including 1911, figures are for Eight only of the Principal Towns.  
Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths.  
\* Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—November 1920.

CAUSES OF DEATH.	All Ages.	Age.											Age not stated.
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	
Enteric Fever - - - - -	5	-	-	-	-	2	1	2	-	-	-	-	-
Typhus Fever - - - - -	2	-	-	-	-	-	-	2	-	-	-	-	-
Small-pox - - - - -	4	-	-	-	-	1	-	-	3	-	-	-	-
Measles - - - - -	7	2	5	-	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	16	1	6	2	4	1	1	-	1	-	-	-	-
Whooping-cough - - - - -	21	7	13	1	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	45	5	23	16	1	-	-	-	-	-	-	-	-
*Influenza - - - - -	6	1	-	-	-	1	-	1	-	2	1	-	-
Erysipelas - - - - -	9	3	1	-	-	-	-	2	1	1	1	-	-
Phthisis, Pulmonary Tuberculosis - - - - -	180	3	3	5	5	36	33	41	28	16	8	2	-
Tuberculous Meningitis - - - - -	30	10	5	7	2	6	-	-	3	1	-	-	-
Abdominal Tuberculosis - - - - -	26	4	7	5	1	3	2	-	3	4	1	-	-
Other Tuberculous Diseases - - - - -	28	1	3	1	4	6	4	1	3	4	1	-	-
Cancer, Malignant Disease - - - - -	267	-	1	-	-	3	3	28	54	78	67	33	-
Rheumatic Fever - - - - -	4	-	-	-	-	-	1	-	2	1	-	-	-
Meningitis - - - - -	25	14	5	1	2	2	-	-	-	1	-	-	-
Organic Heart Disease - - - - -	265	-	-	4	3	6	11	13	33	78	76	41	-
Bronchitis - - - - -	248	75	6	3	-	2	2	3	18	36	53	50	-
Pneumonia (all forms) - - - - -	366	150	60	8	5	13	12	22	28	22	30	16	-
Other Diseases of Respiratory Organs - - - - -	45	11	4	1	-	1	-	3	4	6	8	7	-
Diarrhoea and Enteritis (under 2 years) - - - - -	76	62	14	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	25	-	1	2	3	9	1	-	5	1	3	-	-
All Liver Diseases (not Malignant) - - - - -	21	-	-	-	-	3	4	2	2	6	2	2	-
Other Diseases of Digestive System - - - - -	85	20	3	1	3	6	5	9	9	13	8	8	-
Nephritis and Bright's Disease - - - - -	80	1	2	1	-	2	6	9	17	16	20	6	-
Puerperal Sepsis - - - - -	15	-	-	-	-	8	6	1	-	-	-	-	-
Other Diseases & Accidents of Preg. & Parturition - - - - -	18	-	-	-	-	1	6	11	-	-	-	-	-
Congenital Debility and Malformation, including - - - - -	-	-	-	-	-	-	-	-	-	-	-	-	-
Premature Birth - - - - -	203	202	-	-	1	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	114	4	12	5	2	15	8	16	15	13	13	11	-
Suicide - - - - -	10	-	-	-	-	-	-	2	3	4	1	-	-
Other Defined Diseases - - - - -	611	55	11	4	9	17	15	29	56	110	146	159	-
Diseases Ill-defined or Unknown - - - - -	47	4	1	-	-	-	-	5	8	13	14	2	-
All Causes - - - - -	2904	635	186	67	45	144	121	202	293	422	452	337	-
Influenza—Contributory Cause - - - - -	19	2	1	1	2	4	-	2	2	3	2	-	-

\* Sole Cause specified, vide pp. 86-87.



## DEATHS IN EACH TOWN (corrected for Transfers)— November 1920.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	4	1	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	2	...
Small-pox ... ..	4	...	...	...	...	...	...	...
Measles ... ..	4	2	...	...	...	...	...	...
Scarlet Fever ... ..	8	2	...	1	2	...	...	...
Whooping-cough ... ..	14	3	...	...	...	...	2	...
Diphtheria and Croup ... ..	19	3	5	2	1	1	1	2
Influenza ( <i>Sole Cause specified</i> ) ... ..	4	1	...	...	...	...	...	...
Erysipelas ... ..	5	2	1	1	...	...	...	...
Phthisis, Pulmonary Tuberculosis ... ..	89	30	15	5	4	8	5	2
Tuberculous Meningitis ... ..	17	2	3	2	...	1	3	1
Abdominal Tuberculosis ... ..	11	2	2	2	1	2	2	1
Other Tuberculous Diseases ... ..	15	4	2	...	2	...	2	...
Cancer, Malignant Disease ... ..	116	55	22	17	6	5	7	7
Rheumatic Fever ... ..	2	1	...	...	...	...	...	...
Meningitis ... ..	7	2	4	...	...	2	2	1
Organic Heart Disease ... ..	106	37	23	21	13	12	10	9
Bronchitis ... ..	126	32	15	12	14	10	9	2
Pneumonia (all forms) ... ..	236	33	17	17	12	7	8	1
Other Diseases of Respiratory Organs ... ..	25	4	1	3	1	1	3	...
Diarrhoea and Enteritis (under 2 years) ... ..	30	7	6	2	2	2	8	2
Appendicitis and Typhlitis ... ..	13	3	2	1	...	1	1	1
All Liver Diseases (not Malignant) ... ..	13	1	...	4	...	...	1	...
Other Diseases of Digestive System ... ..	33	11	7	8	1	6	...	4
Nephritis and Bright's Disease ... ..	36	12	7	5	2	2	4	2
Puerperal Sepsis ... ..	7	1	...	2	1	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	6	3	2	...	...	1	...	...
Congenital Debility and Malformation, including Premature Birth ... ..	105	17	8	20	5	9	12	3
Violent Deaths, excluding Suicide ... ..	49	12	11	9	5	5	4	3
Suicide ... ..	4	1	1	3	...	...	...	1
Other Defined Diseases ... ..	283	92	45	37	14	25	25	12
Diseases Ill-defined or Unknown ... ..	28	7	4	3	...	1	...	1
All Causes ... ..	1419	383	203	177	86	101	111	55
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	10	2	...	2	...	1	...	...
AGE AT DEATH.								
Under 1 ... ..	352	57	32	46	20	18	26	11
1- 4 ... ..	98	12	12	10	6	5	10	...
5- 9 ... ..	37	6	6	2	2	1	7	2
10-14 ... ..	21	5	4	2	...	2	1	2
15-24 ... ..	71	16	10	7	6	6	5	3
25-34 ... ..	54	18	7	3	5	2	6	3
35-44 ... ..	111	24	10	13	2	11	2	...
45-54 ... ..	137	48	18	12	9	10	10	6
55-64 ... ..	210	59	38	27	12	15	16	11
65-74 ... ..	196	77	30	26	15	16	20	11
75 and over ... ..	132	61	36	29	9	15	8	6
Not stated ... ..	...	...	...	...	...	...	...	...
All Ages ... ..	1419	383	203	177	86	101	111	55

DEATHS IN EACH TOWN (corrected for Transfers)—November 1920—*continued.*

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	...	...	...	...	1	...	...	...
Scarlet Fever ... ..	...	...	2	1	...	...	...	...
Whooping-cough ... ..	...	...	...	2	...	...	...	...
Diphtheria and Croup ... ..	...	1	2	...	1	2	4	1
Influenza ( <i>Sole Cause specified</i> )...	...	...	1	...	...	...	...	...
Erysipelas ... ..	...	...	...	...	...	...	...	...
Phthisis, Pulmonary Tuberculosis ...	5	1	6	2	3	2	2	1
Tuberculous Meningitis ... ..	...	1	...	...	...	...	...	...
Abdominal Tuberculosis ... ..	1	...	1	1	...	...	...	...
Other Tuberculous Diseases ... ..	...	1	1	...	...	1	...	...
Cancer, Malignant Disease ... ..	4	4	1	3	4	2	6	8
Rheumatic Fever ... ..	...	...	1	...	...	...	...	...
Meningitis ... ..	...	...	2	1	3	...	1	...
Organic Heart Disease ... ..	3	4	6	4	3	5	4	5
Bronchitis ... ..	3	5	1	5	6	4	1	3
Pneumonia (all forms) ... ..	7	5	2	5	5	2	4	5
Other Diseases of Respiratory Organs ...	...	1	2	1	...	...	2	1
Diarrhoea and Enteritis (under 2 years)	5	1	1	1	2	4	3	...
Appendicitis and Typhlitis ... ..	...	...	1	1	1	...	...	...
All Liver Diseases (not Malignant) ...	...	...	...	...	...	2	...	...
Other Diseases of Digestive System ...	...	3	5	...	3	...	2	2
Nephritis and Bright's Disease ... ..	2	...	2	1	...	2	...	3
Puerperal Sepsis ... ..	1	...	1	...	...	...	2	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	...	2	2	...	...	...	...	2
Congenital Debility and Malformation, including Premature Birth ... ..	3	5	2	5	5	...	2	2
Violent Deaths, excluding Suicide ...	1	1	5	3	5	1	...	...
Suicide ... ..	...	...	...	...	...	...	...	...
Other Defined Diseases ... ..	12	12	17	3	8	7	8	11
Diseases Ill-defined or Unknown ... ..	...	...	1	...	1	...	...	1
All Causes ... ..	47	47	65	39	51	34	41	45
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	...	2	1	...	1	...	...	...
AGE AT DEATH.								
Under 1 ... ..	13	12	5	12	14	3	8	6
1- 4 ... ..	3	2	4	7	5	4	6	2
5- 9 ... ..	...	...	1	...	1	...	1	1
10-14 ... ..	...	3	3	1	1	...	...	...
15-24 ... ..	1	4	5	2	1	2	5	...
25-34 ... ..	1	5	5	5	...	2	1	4
35-44 ... ..	9	3	6	...	5	2	1	3
45-54 ... ..	8	6	6	3	8	5	1	6
55-64 ... ..	3	3	4	1	7	5	6	5
65-74 ... ..	7	4	13	4	7	8	7	11
75 and over ... ..	2	5	13	4	2	3	5	7
Not stated ... ..	...	...	...	...	...	...	...	...
All Ages ... ..	47	47	65	39	51	34	41	45



## ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of NOVEMBER 1920.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.						HYGROMETER.			RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.																				
	Height of Station above Sea-level.	Mean at Station and 32°.	Mean at Sea-Level and 82°.	Mean of		Mean of A and B (Mean Temperature).	Difference from Average	Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.			Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.																		
				Maximum (A).	Minimum (B.)			Maximum	Day of Month.	Minimum.	Day of Month.	Dry Bulb.				Depression of Wet Bulb.	Vapour Pressure.	Humidity.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.							
GLASGOW, JAMES CONNELL, The Observatory.	184	29.709	29.913	°	42.7	°	46.3	°	+3.7	°	56	15, 19	°	26	23rd	°	45.8	°	2.0	inch.	°	86	18	inch.	1	7	12	5	7	16	6	3	3	12
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.425	29.910	°	49.7	°	45.5	°	+3.3	°	59	15th	°	29	23rd	°	45.0	°	2.4	inch.	°	82	14	inch.	1	1	2	9	10	23	2	0	12	
DUNDEE, ALEX. MACRAE, Curator of Cemeteries.	164	29.708	29.890	°	48.8	°	44.6	°	+3.3	°	57	9th	°	23	23rd	°	44.2	°	1.2	inch.	°	91	15	inch.	1	5	0	18	0	27	0	9	0	
ABERDEEN,* The Meteorological Office.	90	29.797	29.898	°	50.1	°	46.0	°	+3.9	°	58	9, 14	°	28	23, 24	°	45.4	°	2.7	inch.	°	81	9	inch.	0	0	0	10	20	19	6	2	3	
PAISLEY, The Coats Observatory.	107	29.797	29.917	°	50.0	°	46.0	°	+3.0	°	57	20th	°	23	23rd	°	46.0	°	1.3	inch.	°	87	20	inch.	0	1	4	5	9	18	5	0	18	
LEITH,† JAMES BOLAM, Navigation School.	76	29.843	29.923	°	48.9	°	45.7	°	+2.0	°	59	14th	°	26	23rd	°	45.6	°	2.0	inch.	°	85	17	inch.	2	0	10	10	14	10	14	0	0	
GREENOCK,† JAMES MACALISTER, A.M. Inst. C.E., Greenock Waterworks.	233	29.650	29.909	°	48.8	°	45.7	°	+3.0	°	56	8, 9	°	30	23rd	°	45.4	°	1.8	inch.	°	84	22	inch.	0	0	10	16	0	26	7	0	1	
PERTH,† JOHN RITCHIE, Junr., The Museum.	22	29.868	29.893	°	49.2	°	44.5	°	+3.4	°	59	9, 14	°	20	23rd	°	..	°	..	inch.	°	..	10	inch.	0	2	4	8	8	30	4	4	0	
Means	165	29.725	29.907	°	49.4	°	45.5	°	+3.2	°	..	..	°	..	..	°	45.3	°	2.0	inch.	°	85	16	inch.	1	2	5	10	8	21	6	2	5	

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'.  
West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 56° 11'.  
\* At Kinloch Colville, at 7 miles from Aberdeen.  
† At Kinloch Colville, at 7 miles from Aberdeen.

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.  
 West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

\* At King's College at 7 A.M. and 6 P.M.

† At 9 A.M. only.

EDINBURGH: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.  
 To be purchased from H.M. STATIONERY OFFICE (Scottish Branch), 23 Forth Street, Edinburgh.

Printed under the authority of HIS MAJESTY'S STATIONERY OFFICE  
 By J. Skinner & Co., Ltd., 27 Thistle Street, Edinburgh.

Price 6d. net.

MONTHLY RETURN  
OF THE  
BIRTHS, DEATHS, AND MARRIAGES  
IN SIXTEEN OF THE PRINCIPAL TOWNS OF  
SCOTLAND.

---

DECEMBER 1920.

---

Published by Authority of the Registrar-General.

---

REPORT.

During the month of December 1920 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 5246 living children, of whom 2621 were male, and 2625 were female. The male children of the month are 31 more than registered in the previous month, but 15 less than the mean of the numbers registered in the three preceding months, and 685 less than registered in December of the previous year. The female children of the month number 204 more than in the previous month, and 148 more than the mean of the numbers of the three preceding months, but 561 less than that of December of the previous year. The total children registered number 235 more than in the previous month, and 133 more than the mean of the numbers in the three preceding months, but 1246 fewer than in December of the previous year.

The equivalent annual birth-rate is 25·5 per thousand of the estimated aggregate population of these towns. This rate is 0·3 more than that of the previous month, and 0·1 more than the mean of those of the three preceding months, but is 6·1 less than that of December of the previous year. In the individual towns the monthly birth-rate ranged from 29·8 in Clydebank, 29·4 in Coatbridge, 28·7 in Hamilton, and 28·1 in Kilmarnock, to 18·4 in Perth, 20·7 in Edinburgh, 22·7 in Leith, and 22·8 in Ayr. In Kirkcaldy it was 27·6 ; in Greenock, 27·3 ; in Glasgow, 27·1 ; in Falkirk, 26·7 ; in Aberdeen, 26·6 ; in Paisley, 24·7 ; in Motherwell, 24·6 ; and in Dundee, 23·2.

Of the total children whose births were registered during the month, 4800, or 91·5 per cent., were legitimate, while 446, or 8·5 per cent., were illegitimate. Compared with the number in the previous month, the legitimate children are 166, and the illegitimate children 69 more. Compared with the number registered in December of the previous year, the legitimate children are 1216, and the illegitimate children 30 fewer. The illegitimate rate is 1·0 more than in the previous month, 0·9 more than the mean of those of the three preceding months, and 1·2 more than that of December of the previous year. In the individual towns the illegitimate rate of the month varied from 14·6 per cent. in Aberdeen, 12·3 in Perth, 11·3 in Edinburgh, and 8·9 in Glasgow, to 2·4 in Clydebank, 2·7 in Greenock, 3·1 in Hamilton, and 3·3 in Kilmarnock.



Marriages registered in these towns during the month numbered 2545. This number is 642 more than that of the previous month, and 504 more than the mean of those of the three preceding months, but 283 less than that of December of the previous year. The monthly marriage-rate was 12·4 per thousand. It is 2·8 more than that of the previous month, and 2·2 more than the mean of those of the three preceding months, but is 1·4 less than that of December of the previous year. In the individual towns this rate varied from 17·5 in Aberdeen, 13·6 in Perth, 12·8 in Glasgow, and 12·6 in Edinburgh, to 6·4 in Coatbridge, 7·8 in Hamilton, 8·1 in Kirkcaldy, and 8·6 in Falkirk.

Deaths registered in the sixteen towns during the month numbered 3452, 1739 being of males, and 1713 of females. These deaths include those of 287 non-residents, but exclude those of 224 residents of these towns dying elsewhere in Scotland, and the difference, 63, falls to be deducted to get the corrected number of the month, which is thus found to be 3389. This number is 485 more than that of the previous month, 848 more than the mean of those of the three preceding months, and 338 more than that of December of the previous year.

The collective monthly death-rate was 16·5 per thousand. It is 1·9 more than that of the previous month, 3·9 more than the mean of those of the three preceding months, and 1·6 more than that of the corresponding month of the previous year. In the individual towns the monthly death-rate varied from 20·1 in Motherwell, 20·0 in Hamilton, 19·1 in Coatbridge, 18·3 in Aberdeen, and 18·1 in Falkirk, to 10·9 in Ayr, 11·9 in Kilmarnock, 13·3 in Clydebank, and 13·9 in Kirkcaldy. In Perth this rate was 17·7; in Glasgow, 16·6; in Edinburgh, 16·5; in Dundee, 16·2; in Paisley, 15·8; in Greenock, 15·3; and in Leith, 14·4.

Deaths of children of less than one year old numbered 697. They are 62 more than in the previous month, 162 more than the mean of the numbers of the three preceding months, and 142 more than in December of the previous year. They equal an infantile mortality rate of 119 per thousand of the average number of births registered in the preceding twelve months. This rate is 9 more than that of the previous month and 28 more than the mean of those of the three preceding months, but is 3 less than that of December of the previous year. In the individual towns this rate varied from 214 in Hamilton, 196 in Motherwell, and 182 in Aberdeen, to 66 in Ayr, 82 in Edinburgh, 84 in Kirkcaldy, and 86 in Leith and in Falkirk. In Perth this rate was 159; in Coatbridge, 156; in Paisley, 142; in Dundee, 136; in Glasgow, 113; in Greenock, 106; in Kilmarnock, 103; and in Clydebank, 102.

Deaths from the principal epidemic diseases numbered 144, and included 3 from enteric fever, 12 from measles, 10 from scarlet fever, 36 from whooping-cough, 36 from diphtheria, and 47 from the diarrhoeas of childhood. These deaths collectively number 26 fewer than in the previous month, and 54 fewer than in December of the previous year.

Deaths from small-pox numbered 4, which is the same as in the previous month, but less than in all months since March. Two deaths from typhus fever were registered, the one in Glasgow and the other in Greenock. All 4 deaths from small-pox were registered in Glasgow.

Deaths from pneumonia numbered 415, and those from bronchitis 337. The former are 49 more than in the previous month, and 83 more than in the previous December. The latter are 89 more than in the previous month, and 80 more than in the previous December.

Deaths of which influenza was the sole named cause numbered 14, and those of which influenza was one of two or more named causes, 16. Collectively these deaths number 5 more than in the previous month, and 5 more than in the corresponding month of the previous year.

Deaths from all forms of tuberculous disease numbered 311, 232 of them being attributed to phthisis. The former number is 47 more than in the previous month, and 69 more than in December of the previous year. The latter number is 52 more than in the previous month, and 75 more than in December of the previous year.



METEOROLOGICAL NOTES for Eight of the Principal Towns,  
by A. WATT, M.A., F.R.S.E., Secretary to the Scottish  
Meteorological Society.

DECEMBER 1920.

Mean barometric pressure, 29·910 in.; greater than the average of 1881–1915 by 0·168 in.

Mean temperature, 38°·7; less by 0°·2.

Mean daily range of temperature, 8°·2; less by 0°·8.

Rain, number of days, 20; greater by 1 day.

Rain, depth in inches, 3·74; less by 0·08 in.

Wind, direction of: 4 days' excess of winds from south-east.

Hence the month was characterised by a very high mean pressure; a mean temperature all but equal to the normal, with a slightly low mean daily range; a mean rainfall practically equal to the normal; and an excess of winds from the south-east.

A deep depression crossed the south of Scotland on 3rd, and at various later times, especially from 18th to 22nd, conditions were somewhat unsettled. The mean pressure of the month was much above the normal, especially in the far north, whilst over the English Channel there was a slight deficiency; at Leith, at sea-level, readings were above 30 in. continuously from 4th to 19th; and the extremes at that place were 30·63 in. on 5th and 28·74 in. at midnight of 21st.

After mild weather until 4th or 5th there was a fairly steady fall of temperature until evening of 24th, when unusually mild conditions again set in, with highest readings very generally on 25th and 26th (56° at Fort William). The cold was not specially severe for midwinter (11° at West Linton on 18th and at Braemar on 23rd), and much more wintry weather occurred in the south of England than anywhere in Scotland. For the week ending 18th temperature contrasts were extraordinary. Thus in the far north the mean for the week was well above the normal, whilst going southward there was a steadily-increasing deficiency; and for that week we have the following means and differences from the normal:—Lerwick, 42°·1 (+1°·8); Edinburgh, 34°·5 (–4°·7); York, 33°·4 (–6°·1); London (Richmond), 31°·4 (–9°·9). For the chief towns the mean was 38°·7, or 0°·2 below the normal; the days were 0°·6 below and the nights 0°·2 above their respective averages; and the extremes were 54° at Edinburgh on 26th, and 17° at Perth on 19th.

Rain was general from 1st to 3rd, with rather heavy falls in west on 1st (2·15 in. at Gruline, in Mull), and in north-east on 3rd; and conditions were unsettled from 19th or 20th onwards, with rather heavy falls in south on 29th. From 4th to 19th various places had hardly any precipitation, *e.g.*, Gordon Castle and Killin, though rain occurred in west and south on 8th or 9th (1½ in. at Ford in 12 hours on 9th), and rain, snow, or sleet somewhat widely around 12th. In eastern districts generally there was a slight to decided excess; but in west and north a shortage, most marked around the Moray Firth, where Gordon Castle and Nairn had only half the normal. The mean for the chief towns was 3·74 in., or 98 per cent. of the normal.

The weather was very stormy on 3rd and 4th and around 21st. Conditions were rather wintry around 12th and 18th with some snow or sleet; but no general snow-storm occurred in Scotland.

Sunshine aggregates were deficient in the far north, but fairly good elsewhere. Fog occurred at times—in the Glasgow area more particularly on 6th and 18th.

Aurora was widely observed on 4th; at Baltasound (Shetland) on 2nd, 4th, 8th, 9th and 15th.

NOTE.—For meteorological table see p. 96.



TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES  
in the Principal Towns, DECEMBER 1920.

TOWNS.	POPULATION.		BIRTHS.						MARRIAGES.	DEATHS.				
	Census. 1911.	Estimated to middle of 1920.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	Males.		Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, .	1,008,487	1,115,500	1282	1276	2558	2331	227	1205	847	788	1635	123	61	1573
EDINBURGH, .	320,769	342,300	299	302	601	533	68	365	257	260	517	91	53	479
DUNDEE, .	176,085	189,000	189	183	372	344	28	185	114	142	256	5	9	260
ABERDEEN, .	163,891	167,700	184	194	378	323	55	248	127	142	269	26	17	260
PAISLEY, .	84,455	89,400	104	83	187	173	14	89	66	53	119	6	7	120
LEITH, .	80,601	84,700	74	89	163	154	9	84	39	43	82	1	22	103
GREENOCK, .	75,140	79,700	88	96	184	179	5	74	53	55	108	7	2	103
PERTH, .	35,854	36,600	33	24	57	50	7	42	22	35	57	6	4	55
TOTAL . (EIGHT TOWNS)	1,945,282	2,104,900	2253	2247	4500	4087	413	2292	1525	1518	3043	265	175	2953
COATBRIDGE, .	43,290	44,500	60	51	111	106	5	24	37	34	71	3	4	72
MOTHERWELL .	40,380	42,200	44	44	88	83	5	36	42	26	68	1	5	72
KIRKCALDY .	39,601	40,790	52	43	95	89	6	28	15	27	42	1	7	48
HAMILTON, .	38,644	39,500	51	45	96	93	3	26	36	30	66	4	5	67
CLYDEBANK, .	37,548	48,800	58	65	123	120	3	47	25	15	40	0	15	55
KILMARNOCK, .	34,723	37,800	44	46	90	87	3	33	14	21	35	3	6	38
FALKIRK, .	33,574	34,500	35	43	78	73	5	25	29	24	53	4	4	53
AYR, .	32,986	33,600	24	41	65	62	3	34	16	18	34	6	3	31
TOTAL . (SIXTEEN TOWNS)	2,246,033	2,426,500	2621	2625	5246	4800	446	2545	1739	1713	3452	287	224	3389

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES  
in the Principal Towns, DECEMBER 1920.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		Principal Epidemic Diseases.	Tuber- culosis.	Phthisis.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Uncor- rected.	Cor- rected.						
GLASGOW, .	27·1	8·9	12·8	17·3	16·6	0·8	1·6	1·2	3·9	316	113
EDINBURGH, .	20·7	11·3	12·6	17·8	16·5	0·7	1·3	0·9	3·3	58	82
DUNDEE, .	23·2	7·5	11·6	16·0	16·2	0·9	1·4	0·9	3·9	59	136
ABERDEEN, .	26·6	14·6	17·5	18·9	18·3	0·6	1·6	1·3	4·2	77	182
PAISLEY, .	24·7	7·5	11·8	15·7	15·8	0·4	2·1	1·7	4·5	30	142
LEITH, .	22·7	5·5	11·7	11·4	14·4	0·7	1·4	1·1	2·6	17	86
GREENOCK, .	27·3	2·7	11·0	16·0	15·3	0·3	1·9	0·9	3·3	24	106
PERTH, .	18·4	12·3	13·6	18·4	17·7	0·0	1·0	1·0	2·9	11	159
TOTAL . (EIGHT TOWNS)	25·2	9·2	12·9	17·1	16·6	0·7	1·5	1·2	3·8	592	117
COATBRIDGE, .	29·4	4·5	6·4	18·8	19·1	0·0	1·6	0·3	6·9	19	156
MOTHERWELL,	24·6	5·7	10·1	19·0	20·1	2·2	2·0	0·8	6·2	21	196
KIRKCALDY, .	27·6	6·3	8·1	12·2	13·9	0·0	1·2	0·6	3·2	8	84
HAMILTON, .	28·7	3·1	7·8	19·7	20·0	1·8	1·8	1·5	9·3	24	214
CLYDEBANK, .	29·8	2·4	11·4	9·7	13·3	1·0	1·2	1·2	1·9	12	102
KILMARNOCK, .	28·1	3·3	10·3	10·9	11·9	0·6	1·2	0·9	2·8	9	103
FALKIRK, .	26·7	6·4	8·6	18·1	18·1	0·3	1·7	1·4	3·4	7	86
AYR, .	22·8	4·6	11·9	11·9	10·9	0·0	0·7	0·4	4·2	5	66
TOTAL . (SIXTEEN TOWNS)	25·5	8·5	12·4	16·8	16·5	0·7	1·5	1·1	3·9	697	119

\* Based on the average number of births registered monthly during the past 12 months.



TABLE III.—BIRTH-RATE DEATH-RATE, ETC., FOR DECEMBER 1920, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM							*Infantile Mortality Rate.	Mean Temperature. (Eight Towns only.)
					Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria and Croup.	Diarrhoea (Under 2 Years).		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
DEC. 1920, .	25.5	8.5	12.4	16.5	3	4	12	10	36	36	47	119	38°·7
DEC. 1919, .	31.6	7.3	13.8	14.9	3	0	60	19	20	47	49	122	38°·9
DEC. 1918, .	18.7	9.8	10.4	17.0	3	0	3	9	55	40	32	129	41°·1
DEC. 1917, .	17.5	9.2	9.4	14.0	7	0	64	8	54	50	45	124	37°·0
DEC. 1916, .	20.6	8.5	9.0	17.1	5	0	51	14	34	25	54	122	37°·7
DEC. 1915, .	22.7	6.9	11.0	19.2	3	0	106	73	17	65	56	126	38°·0
DEC. 1914, .	25.4	7.0	9.9	18.7	11	0	19	71	156	66	60	147	37°·9
DEC. 1913, .	27.0	6.9	10.4	17.9	6	0	184	45	26	62	56	157	39°·8
DEC. 1912, .	26.1	7.8	11.5	19.7	5	2	20	22	108	33	57	166	41°·3
DEC. 1911, .	23.3	8.0	9.8	17.1	10	0	133	15	41	41	32	133	41°·5
DEC. 1910, .	25.3	7.8	9.0	17.2	7	0	5	27	43	57	37	125	42°·3

For all years up to and including 1911, figures are for Eight only of the Principal Towns.

Figures in Columns 5-13 have, for 1913 and subsequent years, been corrected for non-resident deaths.

\* Per 1000 of the average number of births registered monthly during the past 12 months.

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—December 1920.

CAUSES OF DEATH.	All Ages.	Age.											Age not stated.
		-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	
Enteric Fever - - - - -	3	-	-	-	-	-	1	1	1	-	-	-	-
Typhus Fever - - - - -	2	-	-	-	-	-	1	-	1	-	-	-	-
Small-pox - - - - -	4	-	-	-	1	-	-	1	1	1	-	-	-
Measles - - - - -	12	4	7	1	-	-	-	-	-	-	-	-	-
Scarlet Fever - - - - -	10	1	4	3	-	2	-	-	-	-	-	-	-
Whooping-cough - - - - -	36	21	13	2	-	-	-	-	-	-	-	-	-
Diphtheria and Croup - - - - -	36	8	20	5	2	-	-	-	-	-	-	-	-
*Influenza - - - - -	14	-	1	1	-	1	1	1	-	3	4	2	-
Erysipelas - - - - -	12	1	-	1	-	1	-	3	-	3	1	2	-
Phthisis, Pulmonary Tuberculosis - - - - -	232	2	5	3	8	49	55	36	48	19	6	1	-
Tuberculous Meningitis - - - - -	25	9	9	4	1	1	1	-	-	-	-	-	-
Abdominal Tuberculosis - - - - -	20	2	7	1	1	6	-	1	1	-	1	-	-
Other Tuberculous Diseases - - - - -	34	2	2	3	4	7	4	6	2	3	-	1	-
Cancer, Malignant Disease - - - - -	239	-	1	-	-	2	7	19	53	72	57	28	-
Rheumatic Fever - - - - -	7	-	-	-	1	2	2	1	-	1	-	-	-
Meningitis - - - - -	37	19	11	4	-	-	-	1	2	-	-	-	-
Organic Heart Disease - - - - -	319	1	-	4	6	4	17	24	38	78	78	69	-
Bronchitis - - - - -	337	73	12	5	-	3	5	7	30	63	72	67	-
Pneumonia (all forms) - - - - -	415	148	66	7	2	18	17	23	30	42	28	34	-
Other Diseases of Respiratory Organs - - - - -	48	10	4	2	-	2	1	7	3	3	10	6	-
Diarrhoea and Enteritis (under 2 years) - - - - -	47	42	5	-	-	-	-	-	-	-	-	-	-
Appendicitis and Typhlitis - - - - -	21	-	-	4	4	3	2	2	4	1	-	1	-
All Liver Diseases (not Malignant) - - - - -	25	-	-	-	-	1	1	5	7	7	3	1	-
Other Diseases of Digestive System - - - - -	118	15	11	6	-	7	4	16	11	15	23	10	-
Nephritis and Bright's Disease - - - - -	109	-	-	1	1	2	3	8	27	29	28	10	-
Puerperal Sepsis - - - - -	14	-	-	-	-	3	9	2	-	-	-	-	-
Other Diseases & Accidents of Preg. & Parturition - - - - -	24	-	-	-	-	3	14	7	-	-	-	-	-
Congenital Debility and Malformation, including Premature Birth - - - - -	239	239	-	-	-	-	-	-	-	-	-	-	-
Violent Deaths, excluding Suicide - - - - -	140	9	19	9	3	9	12	18	22	14	14	11	-
Suicide - - - - -	7	-	-	-	-	2	1	1	1	1	1	-	-
Other Defined Diseases - - - - -	736	82	16	3	6	18	25	34	74	109	151	218	-
Diseases Ill-defined or Unknown - - - - -	67	9	2	-	1	-	1	4	11	15	17	7	-
All Causes - - - - -	3389	697	215	69	41	146	184	228	367	480	494	468	-
Influenza—Contributory Cause - - - - -	16	1	1	1	-	3	1	2	2	1	1	3	-

\* Sole Cause specified, vide pp. 94-95.



## DEATHS IN EACH TOWN (corrected for Transfers)—December 1920.

CAUSES OF DEATH.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Leith.	Greenock.	Perth.
Enteric Fever ... ..	2	...	1	...	...	...	...	...
Typhus Fever ... ..	1	...	...	...	...	...	1	...
Small-pox ... ..	4	...	...	...	...	...	...	...
Measles ... ..	...	8	2	...	...	2	...	...
Scarlet Fever ... ..	6	...	...	...	...	1	...	...
Whooping-cough ... ..	25	1	2	2	...	...	...	...
Diphtheria and Croup ... ..	17	8	2	3	1	1	...	...
Influenza ( <i>Sole Cause specified</i> ) ... ..	2	5	...	1	...	...	2	1
Erysipelas ... ..	6	2	...	1	...	1	...	...
Phthisis, Pulmonary Tuberculosis ... ..	118	27	15	18	13	8	6	3
Tuberculous Meningitis ... ..	14	2	3	1	1	1	1	...
Abdominal Tuberculosis ... ..	6	2	...	...	...	1	3	...
Other Tuberculous Diseases ... ..	10	6	4	4	2	...	3	...
Cancer, Malignant Disease ... ..	102	41	28	15	8	9	7	6
Rheumatic Fever ... ..	2	...	1	1	...	1	1	...
Meningitis ... ..	19	4	1	3	2	1	1	...
Organic Heart Disease ... ..	134	51	25	28	15	13	7	4
Bronchitis ... ..	150	46	25	31	12	7	4	6
Pneumonia (all forms) ... ..	196	40	36	29	22	8	17	3
Other Diseases of Respiratory Organs ... ..	22	10	2	...	...	4	1	...
Diarrhoea and Enteritis (under 2 years) ... ..	21	3	7	3	2	1	2	...
Appendicitis and Typhlitis ... ..	11	4	1	3	...	...	1	...
All Liver Diseases (not Malignant) ... ..	17	2	...	...	3	...	2	...
Other Diseases of Digestive System ... ..	54	19	9	4	3	3	6	4
Nephritis and Bright's Disease ... ..	55	16	6	8	2	3	2	1
Puerperal Sepsis ... ..	9	...	...	...	...	2	1	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	10	4	2	2	...	1	1	...
Congenital Debility and Malformation, including Premature Birth ... ..	123	18	14	24	11	8	5	7
Violent Deaths, excluding Suicide ... ..	74	19	12	7	2	3	6	...
Suicide ... ..	3	1	1	...	1	...	...	1
Other Defined Diseases ... ..	327	136	54	67	20	22	21	19
Diseases Ill-defined or Unknown ... ..	33	4	7	5	...	2	2	...
All Causes ... ..	1573	479	260	260	120	103	103	55
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	6	3	...	3	...	1	...	1
AGE AT DEATH.								
Under 1 ... ..	316	58	59	77	30	17	24	11
1-4 ... ..	113	18	15	8	5	8	10	...
5-9 ... ..	34	10	7	1	...	1	3	...
10-14 ... ..	16	7	1	4	1	3	1	...
15-24 ... ..	68	17	7	7	8	6	12	...
25-34 ... ..	90	26	6	12	11	5	8	2
35-44 ... ..	112	28	17	20	5	7	7	3
45-54 ... ..	194	52	25	20	12	12	9	8
55-64 ... ..	228	78	40	29	18	14	12	9
65-74 ... ..	215	91	42	36	14	15	6	12
75 and over ... ..	187	94	41	46	16	15	11	10
Not stated ... ..	...	...	...	...	...	...	...	...
All Ages ... ..	1573	479	260	260	120	103	103	55



## DEATHS IN EACH TOWN (corrected for Transfers)—December 1920—continued.

CAUSES OF DEATH.	Coatbridge.	Motherwell.	Kirkcaldy.	Hamilton.	Clydebank.	Kilmarnock.	Falkirk.	Ayr.
Enteric Fever ... ..	...	...	...	...	...	...	...	...
Typhus Fever ... ..	...	...	...	...	...	...	...	...
Small-pox ... ..	...	...	...	...	...	...	...	...
Measles ... ..	...	...	...	...	...	...	...	...
Scarlet Fever ... ..	...	1	...	...	1	...	1	...
Whooping-cough ... ..	...	2	...	3	1	...	...	...
Diphtheria and Croup ... ..	...	1	...	1	...	2	...	...
Influenza ( <i>Sole Cause specified</i> ) ... ..	...	...	1	2	...	...	...	...
Erysipelas ... ..	...	1	...	...	...	...	1	...
Phthisis, Pulmonary Tuberculosis ... ..	1	3	2	5	5	3	4	1
Tuberculous Meningitis ... ..	2	...	...	...	...	...	...	...
Abdominal Tuberculosis ... ..	3	2	1	1	...	1	...	...
Other Tuberculous Diseases ... ..	...	2	1	...	...	...	1	1
Cancer, Malignant Disease ... ..	2	5	4	2	4	2	3	1
Rheumatic Fever ... ..	...	...	...	1	...	...	...	...
Meningitis ... ..	3	...	...	...	1	1	1	...
Organic Heart Disease ... ..	8	7	4	4	9	2	8	...
Bronchitis ... ..	10	10	7	11	3	5	3	7
Pneumonia (all forms) ... ..	15	11	3	17	4	4	5	5
Other Diseases of Respiratory Organs ... ..	1	1	1	3	1	...	2	...
Diarrhoea and Enteritis (under 2 years) ... ..	...	4	...	2	2	...	...	...
Appendicitis and Typhlitis ... ..	...	...	...	...	1	...	...	...
All Liver Diseases (not Malignant) ... ..	...	...	...	...	...	1	...	...
Other Diseases of Digestive System ... ..	3	4	2	...	1	2	3	1
Nephritis and Bright's Disease ... ..	1	1	2	1	4	1	3	3
Puerperal Sepsis ... ..	1	...	...	1	...	...	...	...
Other Diseases and Accidents of Pregnancy and Parturition ... ..	...	1	2	1	...	...	...	...
Congenital Debility and Malformation, including Premature Birth ... ..	6	2	4	3	3	4	6	1
Violent Deaths, excluding Suicide ... ..	3	3	1	...	5	1	2	2
Suicide ... ..	...	...	...	...	...	...	...	...
Other Defined Diseases ... ..	9	10	12	8	7	7	10	7
Diseases Ill-defined or Unknown ... ..	4	1	1	1	3	2	...	2
All Causes ... ..	72	72	48	67	55	38	53	31
<i>Influenza—Contributory Cause, otherwise classified above</i> ... ..	...	...	...	...	...	...	2	...
AGE AT DEATH.								
Under 1 ... ..	19	21	8	24	12	9	7	5
1-4 ... ..	11	9	2	11	4	...	1	...
5-9 ... ..	3	1	2	1	...	3	3	...
10-14 ... ..	...	1	1	3	2	1	...	...
15-24 ... ..	2	2	3	3	4	1	4	2
25-34 ... ..	5	3	4	4	4	1	2	1
35-44 ... ..	4	7	2	3	4	2	6	1
45-54 ... ..	4	6	4	...	9	3	6	3
55-64 ... ..	5	11	3	9	10	1	9	4
65-74 ... ..	9	5	10	4	3	9	11	12
75 and over ... ..	10	6	9	5	3	8	4	3
Not stated ... ..	...	...	...	...	...	...	...	...
All Ages ... ..	72	72	48	67	55	38	53	31



## ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of DECEMBER 1920.

OBSERVERS.	BARO-METER.		AIR TEMPERATURE.							HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS.																				
	Height of Station above Sea-level.	Mean at Station and 32°.	Mean at Sea-Level and 32°.	Mean of		Mean of A and B (Mean Temperature).	Difference from Average	Absolute Maximum and Minimum.			Mean at 9 A.M. and 9 P.M.				Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.																		
				Maximum (A).	Minimum (B.)			Day of Month.	Minimum.	Day of Month.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.				N	NE	E	SE	S	SW	W	NW	Calm or Variable.										
GLASGOW, JAMES CONNELL, The Observatory.	184	29.709	29.916	°	36.6	°	39.9	°	+0.4	°	53	26th	°	27	18, 23	°	39.4	°	1.5	inch.	.212	per cent.	88	20	3.91	inch.	-0.24	2	12	16	3	7	8	4	3	7
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.427	29.917	°	43.6	°	39.6	°	+0.7	°	54	26th	°	25	18th	°	39.1	°	1.9	°	.202	85	18	2.19	°	+0.03	1	0	4	9	13	10	12	3	10	
DUNDEE, ALEX. MACRAE, Curator of Cemeteries.	164	29.722	29.907	°	41.2	°	37.1	°	-0.5	°	49	26th	°	23	19, 23	°	37.4	°	0.8	°	.208	93	21	3.31	°	+0.65	0	8	0	19	0	17	0	18	0	
ABERDEEN,* The Meteorological Office.	90	29.806	29.908	°	43.2	°	38.9	°	+0.3	°	50	3, 26	°	25	18, 19, 20	°	39.1	°	1.1	°	.217	91	22	3.56	°	+0.34	2	0	3	10	16	11	8	9	3	
PAISLEY, The Coats Observatory.	107	29.799	29.920	°	43.0	°	38.8	°	-1.1	°	53	25, 26	°	25	18, 23	°	39.4	°	1.6	°	.210	87	21	5.09	°	+0.04	1	4	4	4	5	8	2	2	32	
LEITH,† JAMES BOLAM, Navigation School.	76	29.821	29.907	°	42.9	°	39.0	°	-0.9	°	53	25, 31	°	25	18th	°	39.1	°	1.1	°	.217	91	17	2.36	°	+0.16	2	0	10	8	10	6	12	6	8	
GREENOCK,† JAMES MACALISTER, A.M. Inst. C.E., Greenock Waterworks.	233	29.642	29.905	°	43.1	°	39.8	°	+0.4	°	53	25th	°	28	24th	°	39.4	°	1.2	°	.218	91	22	6.14	°	-1.75	1	3	8	22	0	16	4	3	5	
PERTH,† JOHN RITCHIE, Junr., The Museum.	22	29.877	29.902	°	42.0	°	36.5	°	-1.0	°	52	25th	°	17	19th	°	..	°	..	°	..	..	18	3.36	°	+0.13	12	6	4	14	2	8	6	10	0	
Means	165	29.725	29.910	°	42.8	°	38.7	°	-0.2	°	..	..	°	..	..	°	39.0	°	1.3	°	.212	89	20	3.74	°	-0.08	3	4	6	11	7	10	6	7	8	
North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'. West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.																																				

North Latitude.—Glasgow, 55° 51'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley 55° 51'; Leith, 55° 58'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 11'.  
West Longitude.—Glasgow, 4° 13'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Leith, 3° 8'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 32'.

EDINBURGH: PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.  
To be purchased from H.M. STATIONERY OFFICE (Scottish Branch), 23 Forth Street, Edinburgh.

Printed under the authority of HIS MAJESTY'S STATIONERY OFFICE  
By J. Skinner & Co., Ltd., 27 Thistle Street, Edinburgh.

Price 6d. net.

\* At King's College at 7 A.M. and 6 P.M.  
† At 9 A.M. only.